

SUPERIOR OIL

June 11, 1984

Mr. Matt N. Millenbach
Area Manager
U. S. Department of the Interior
Bureau of Land Management
Caller Service 4104
Farmington, New Mexico 87499

Re: Surface Use Development Plan
Proposed Well
Sentinel Peak #27-33
1326' FSL, 3416' FWL
Section 27, T41S, R26E SLM
San Juan County, Utah

Gentlemen:

We submit this Surface Use Program Plan with the APD, Form 3160-3, for the above-referenced oil well and the plan is as follows:

1. The existing roads are shown on the attached Plat No. 3. Directions to the location are: Go Southeast from Aneth, Utah on State Rd. 262 6-1/2 miles to a dirt gravel road on the left, proceed northeast 2-1/2 miles to the location.
2. An access road will be constructed from the proposed location southwest approximately 1000' to an existing road.
3. Location of existing wells within one mile (refer to Plat No. 5).
 - a. Waterwells - none.
 - b. Abandoned wells - 3.
 - c. Temporarily abandoned wells - none.
 - d. Disposal wells - none.
 - e. Drilling wells - none.
 - f. Producing wells - 3.
 - g. Shut-in wells - none.
 - h. Injection wells - none.
4. There are existing producing facilities owned and controlled by Superior Oil Co. within a one mile radius. A 1700' flowline will be laid north to the producing facilities at well Sentinel Peak #27-32.

SUPERIOR OIL

5. Location and type of water supply will be from Superior's McElmo Creek Unit fresh water supply wells near the San Juan River (SW 1/4 Sec. 17, T41S, R25E SLM). Water will be trucked to the location over existing roads and access road to be built.
6. Source of construction materials necessary to build the drilling pad will be obtained from the location. If gravel is needed to maintain existing road or top off the drilling pad it will be trucked from a privately owned gravel pit 0.25 miles west of Montezuma Creek.
7. Methods of handling waste disposal is to collect it in an earthen pit 6' to 8' deep with steep sides and fenced with small mesh wire and located near the mud pit. The reserved mud pit will be located on the south side of the location. When drilling operations are complete the mud pits will be allowed to dry and then backfilled and leveled to the contour of the original landscape. The reserve pit will be fenced on three sides while drilling and on the fourth side as soon as the drilling rig moves out. OSHA approved chemical toilets will be provided and maintained. (Refer to Plat No. 6 & 7).
8. Ancillary facilities. No permanent campsites or airstrips will be constructed. Two small portable trailer houses for Superior's and contractors drilling Supervisory personnel will be on the location while drilling the well. (Refer to Plat No. 6).
9. Wellsite layout. The location and position of all drilling equipment is shown on the attached plat. There is also a plat attached showing cross section diagram of the drill pad including all cuts and fills. Material from the location will be used for pad elevation. (Refer to Plats No. 6, 7, 8, & 9).
10. Plans for restoration of the surface. Upon completion of drilling operations the site and unused portion of the access road will be restored to the contour of the original landscape. Upon abandonment of the location a reservoir will be built southwest of the location, no seeding is required.
11. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation is sparse desert Type ground cover. There are no Indian habitations or artifacts in the immediate vicinity of the access road, flowline or drill site. The remains of a Hogan west of the location will be fenced to protect it.

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12. As for contacts with Superior Oil, the following are company and contract representatives:

Permitting - Wm H. Edwards
Construction - C. D. Likes
Drilling - J. E. Gagneaux
Mailing address - P. O. Drawer 'G'
Cortez, Colorado 81321
Telephone - 303-565-3733 (24 hrs).
Dirt Contractor - Dean McClellan
Perry McDonald Construction Co.
Cortez, Colorado
303-565-3656

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Superior Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C 1001 for the filing of a false statement.

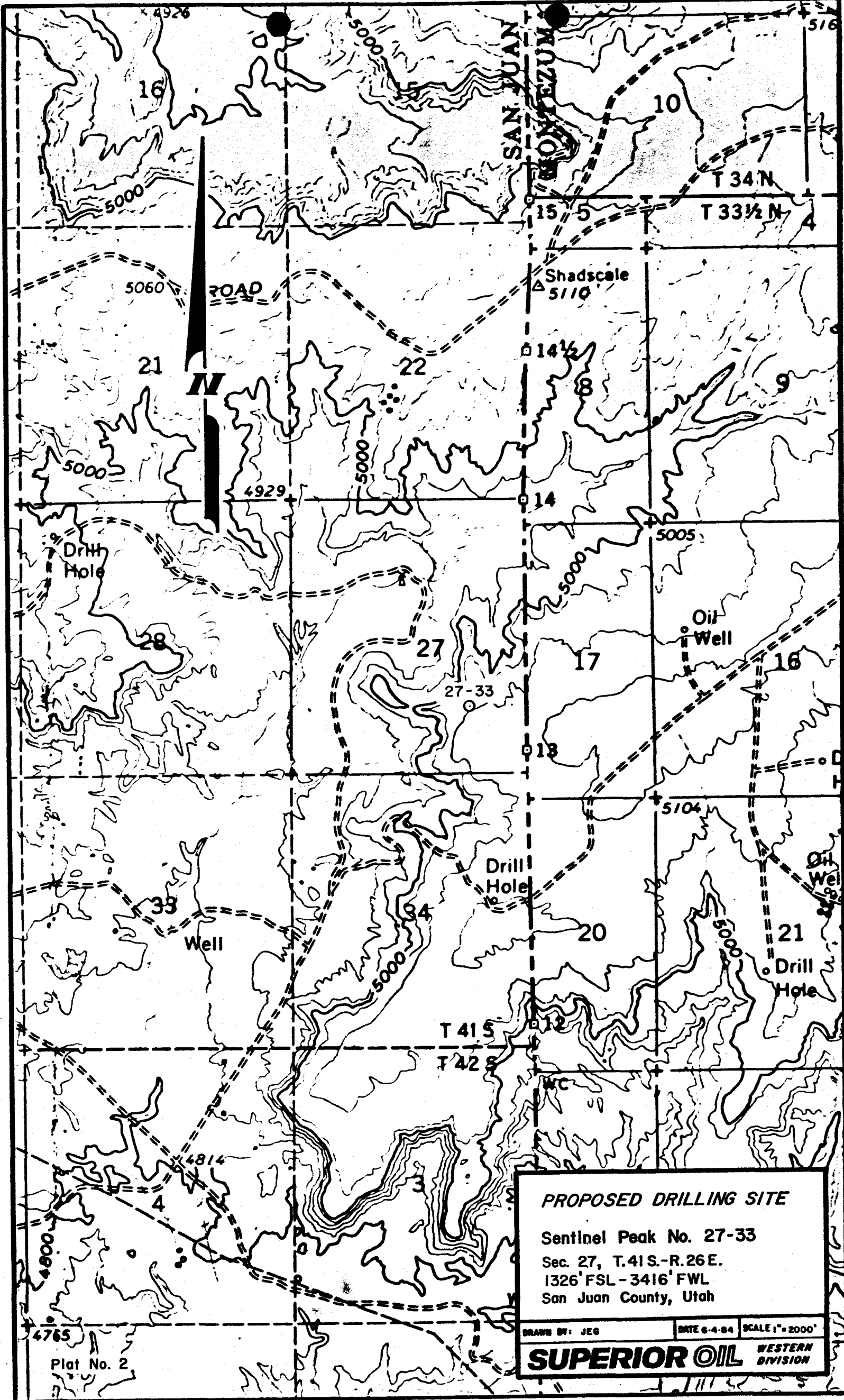
Sincerely,

SUPERIOR OIL COMPANY



Wm. H. Edwards
Special Projects Superintendent

WHE/Th



PROPOSED DRILLING SITE

Sentinel Peak No. 27-33

Sec. 27, T.41 S.-R.26 E.

1326' FSL - 3416' FWL

San Juan County, Utah

DRAWN BY: JEG

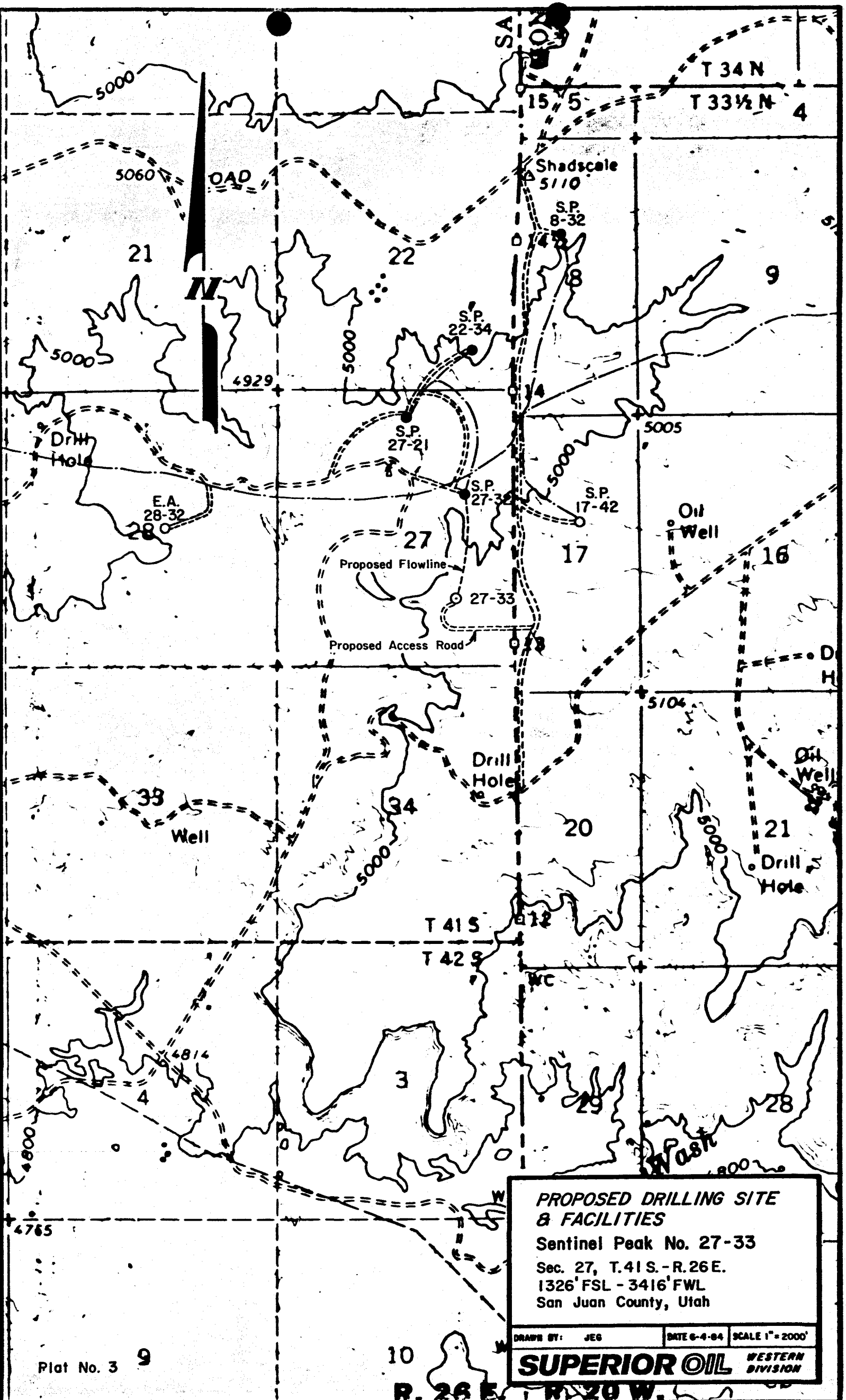
DATE 6-4-84

SCALE 1" = 2000'

SUPERIOR OIL

**WESTERN
DIVISION**

Plat No. 2

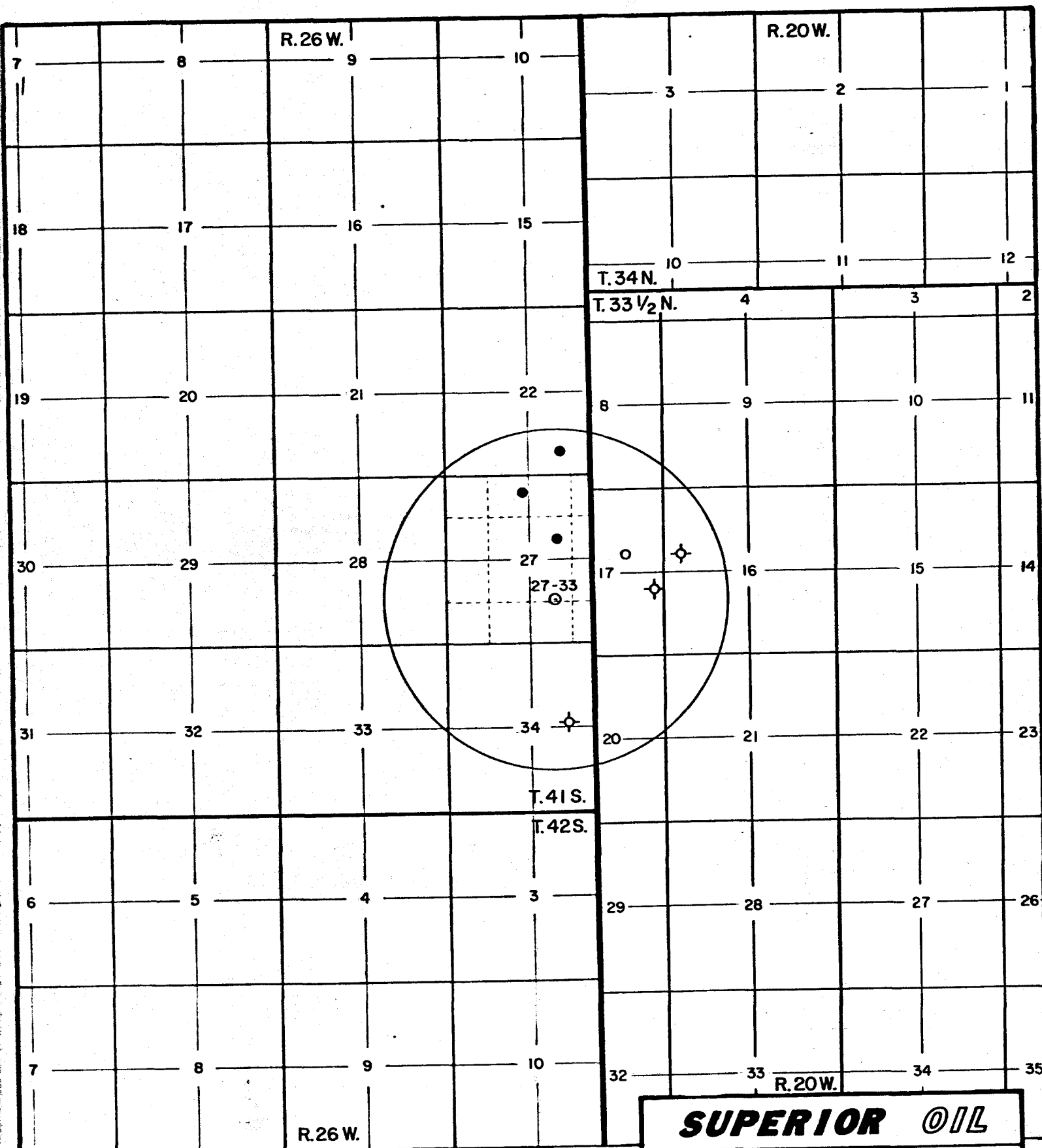


**PROPOSED DRILLING SITE
& FACILITIES**

Sentinel Peak No. 27-33
Sec. 27, T.41 S. - R.26 E.
1326' FSL - 3416' FWL
San Juan County, Utah

DRAWN BY: JEG DATE 6-4-84 SCALE 1" = 2000'

SUPERIOR OIL WESTERN DIVISION



- Proposed Well
- Producing Well
- ⊗ Gas Well
- ⊕ Water Injection Well
- ⊖ Temporarily Abandoned
- ⊗ Plugged and Abandoned

Plat No. 4

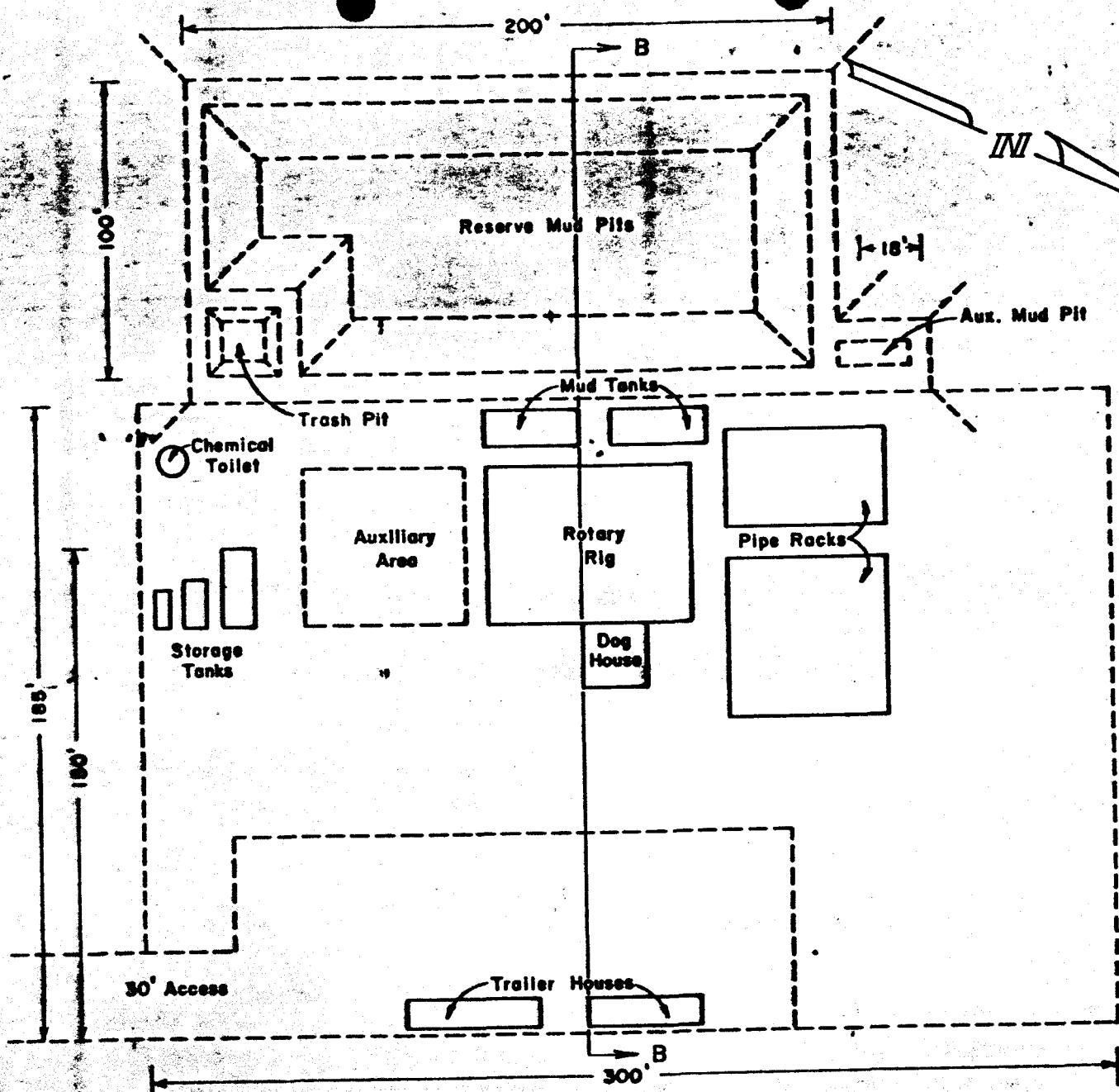
SUPERIOR OIL

**EXISTING WELLS
SURROUNDING
PROPOSED WELL**

0 1/2 1 mile

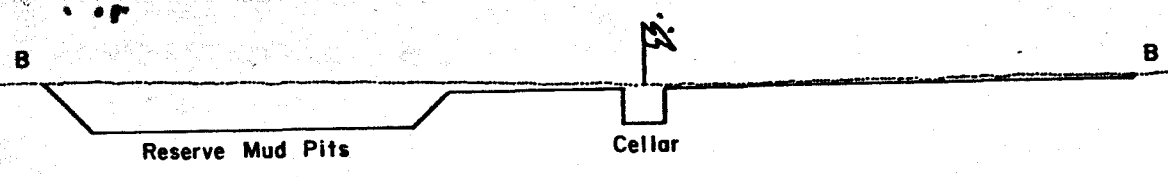
By: JEG

Date: 6/4/84



The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
 S.P. No. 27-33
 Original Elev. 5076.5'



Original Contour
 Reference Point
 Graded Proposal

THE SUPERIOR OIL CO.

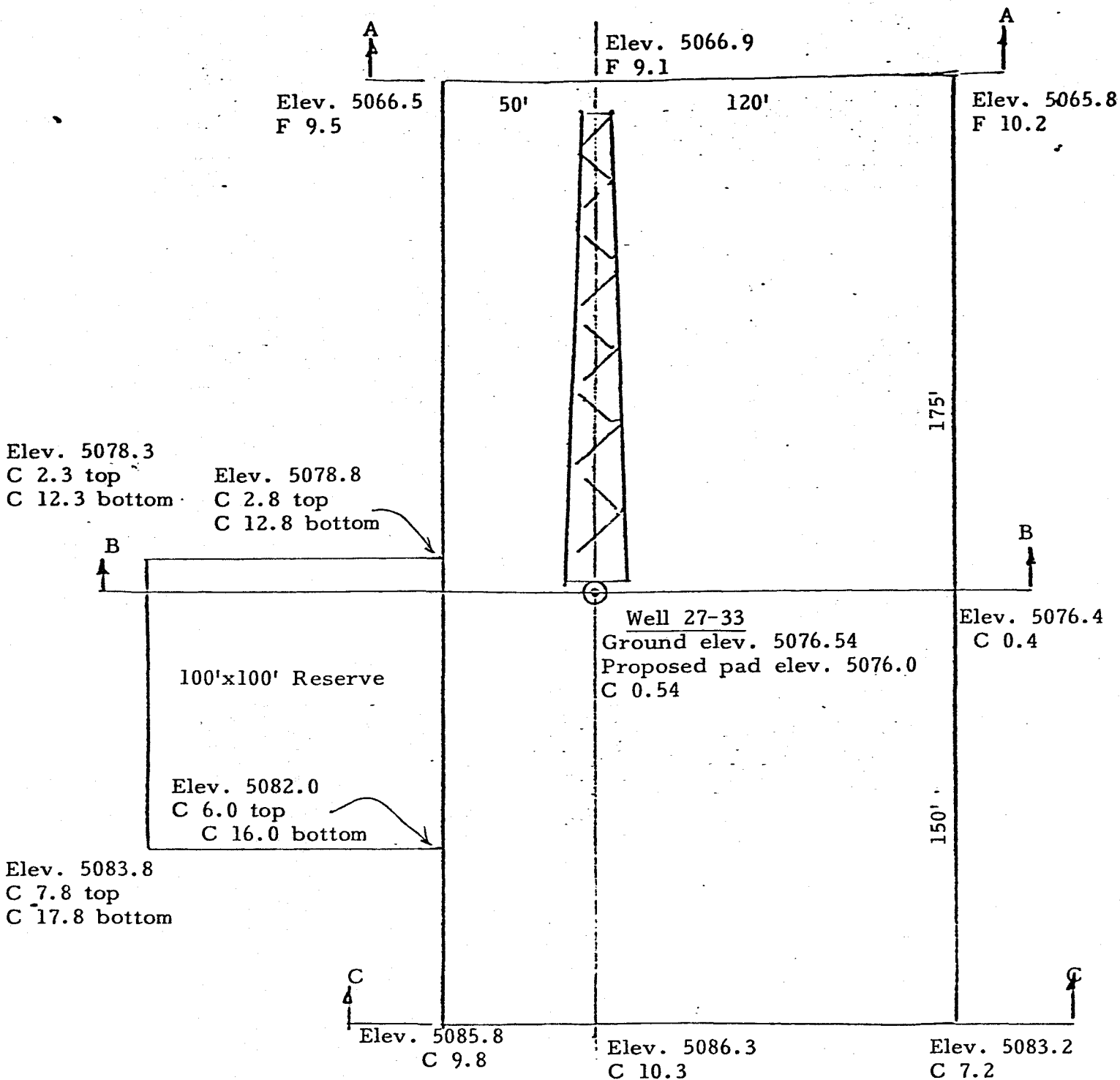
COURTESY - CAMPBELL ENGINEERING

RIG LAYOUT & DRILL PAD CROSS SECTION

Sentinel Peak No. 27-33
 Sec. 27, T.41S. - R.26 E.
 San Juan County, Utah

BY JES DATE 6/4/84
 SCALE 1" = 50' REVISED

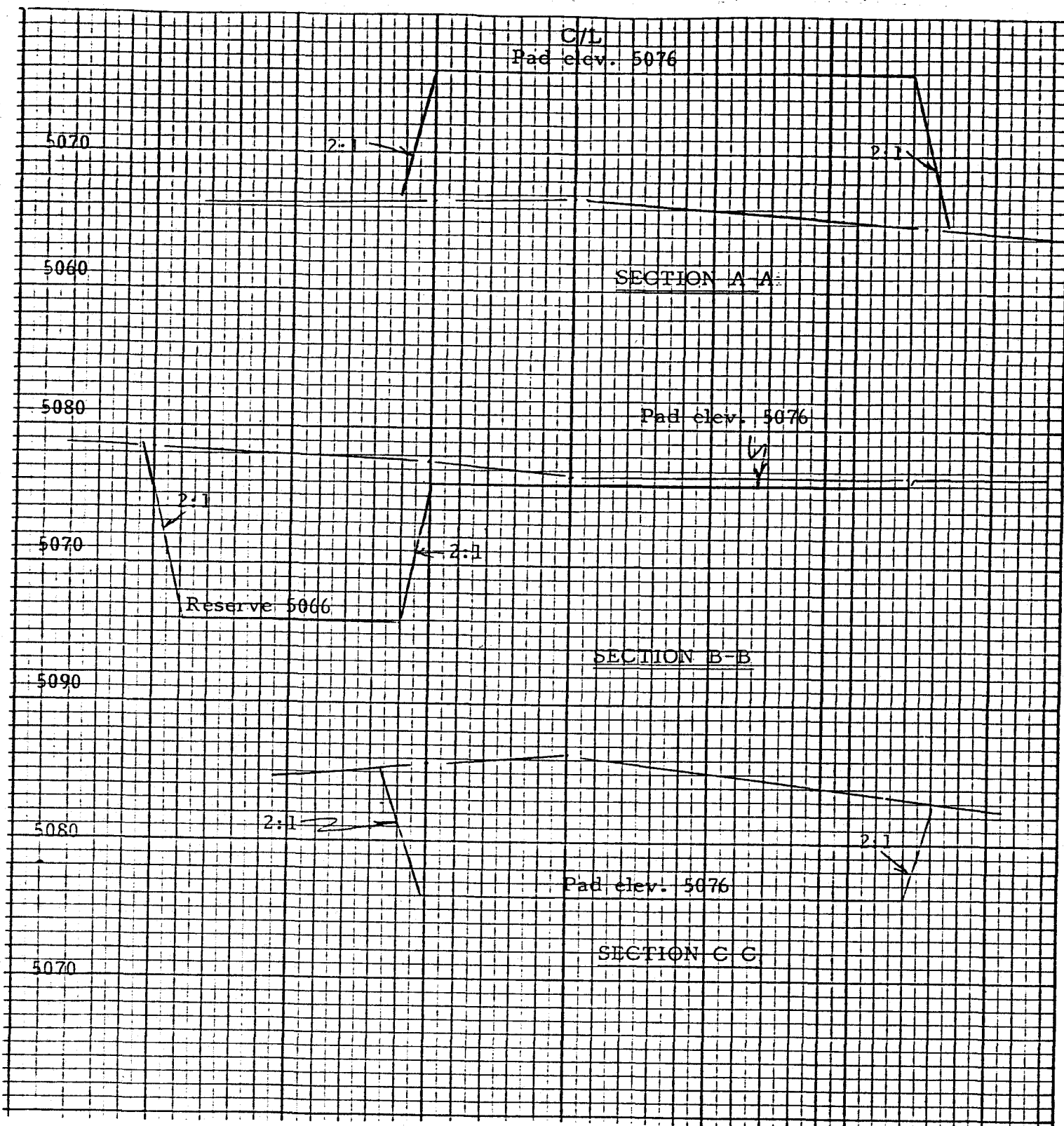
NW Ref. Elev. 5062.57



Scale: 1" = 50'

THOMAS Engineering Inc.

25 W. Linden
Cortez, Colorado
365-4496



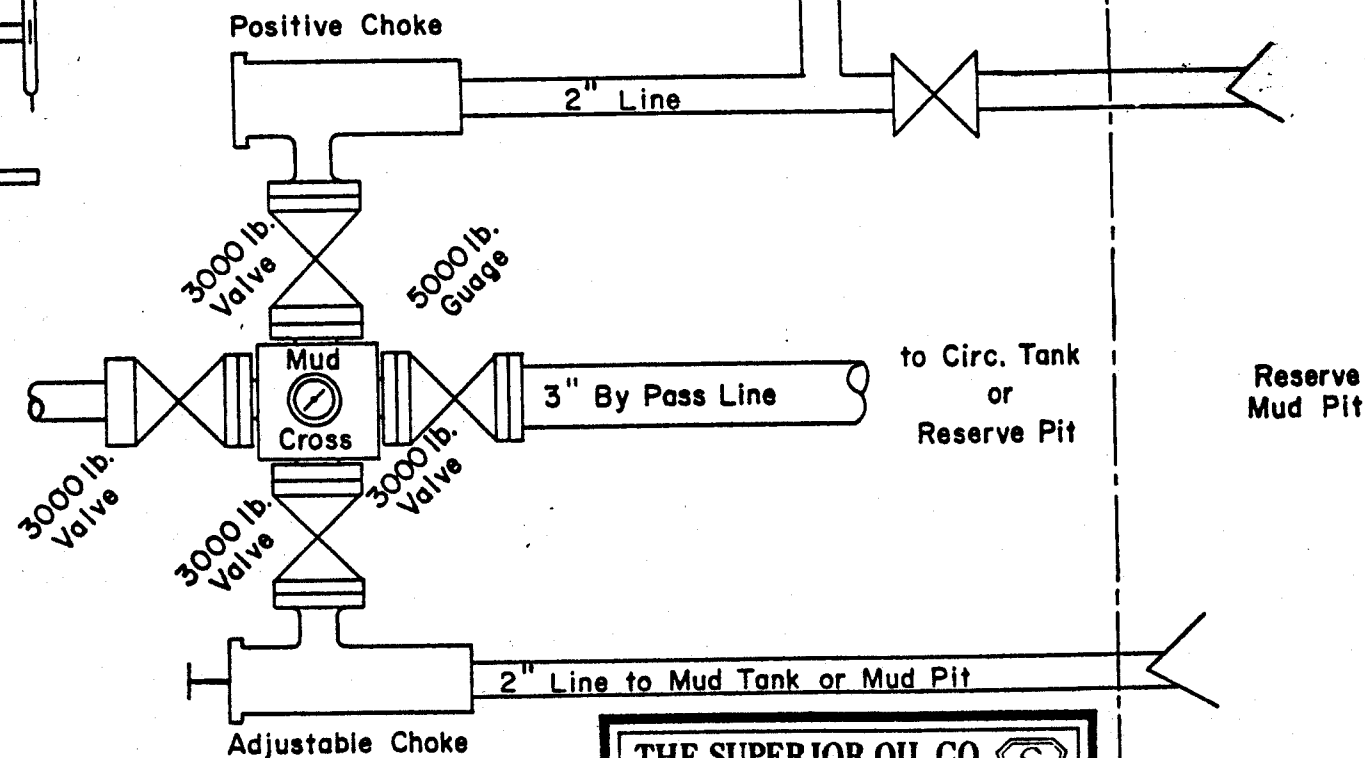
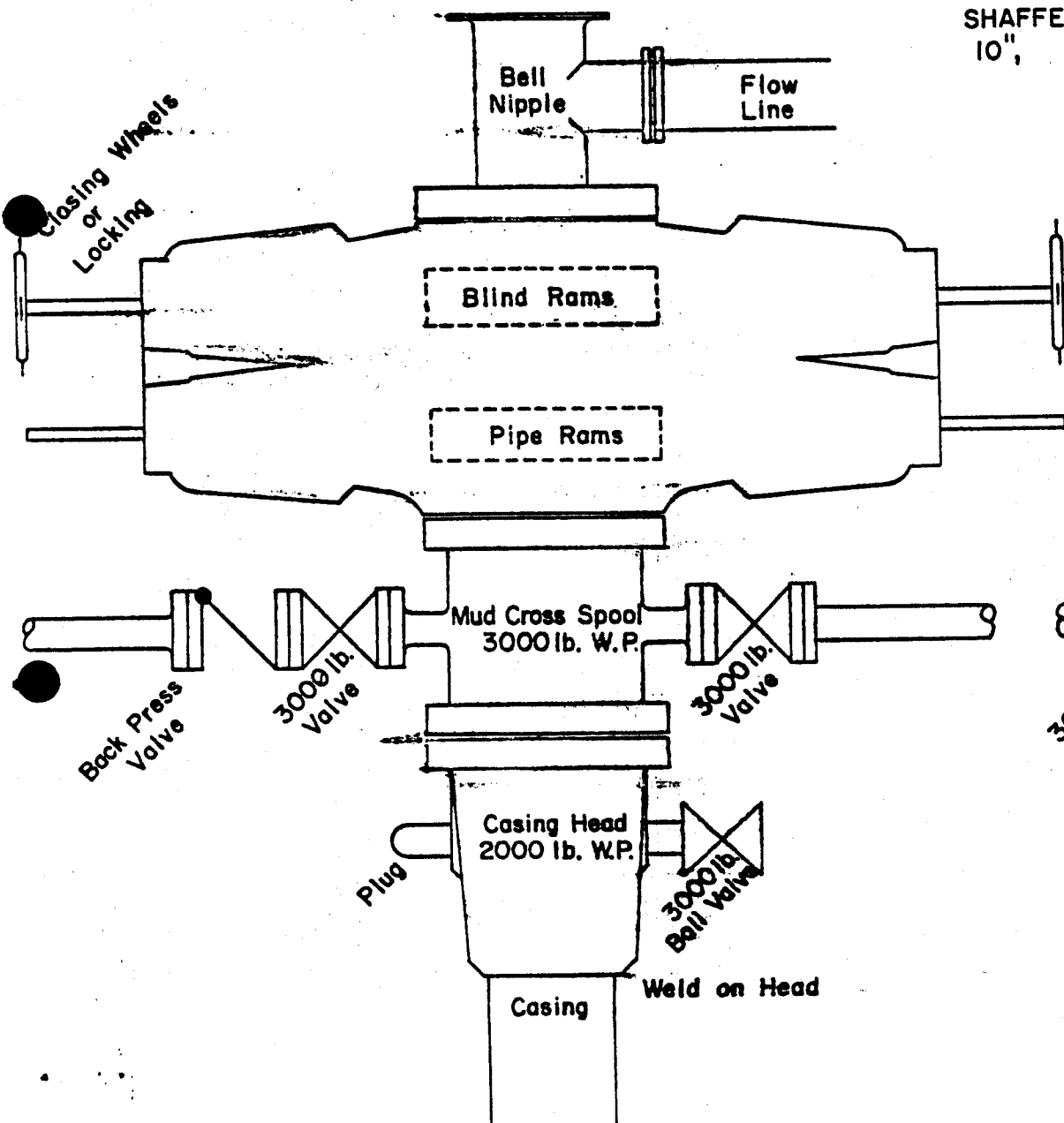
Horizontal scale: 1" = 50'
Vertical scale: 1" = 10'

THOMAS Engineering Inc.

25 N. Linden
Cortez, Colorado
565-4495

Circulating Tank

SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.
CORTEZ - CASPER DISTRICT
ENGINEERING DEPARTMENT

**SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT**

BY JEG
SCALE NONE

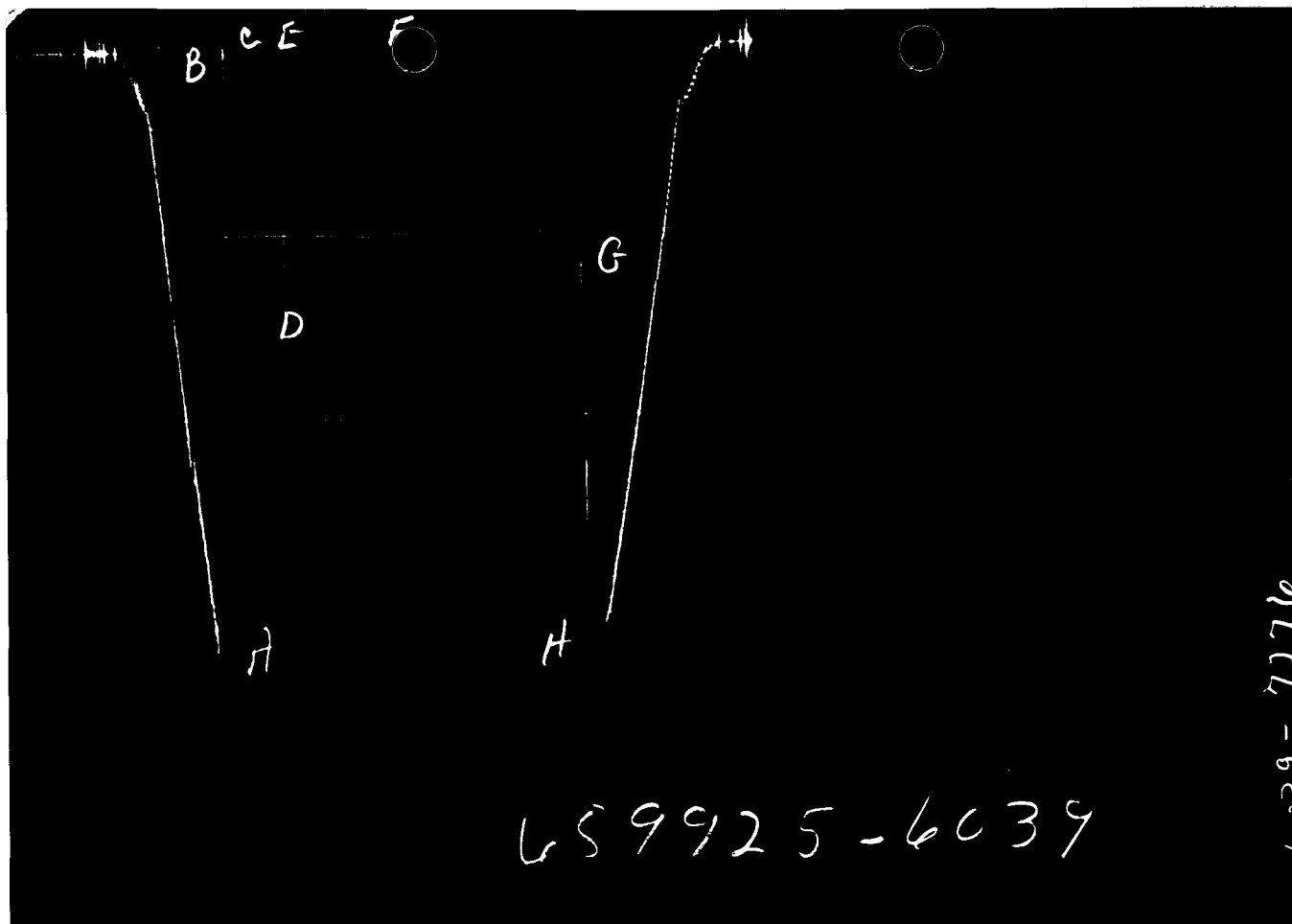
DATE 6/25/79
REVISED



TICKET NO. 68992500
 30-NOV-84
 FARMINGTON

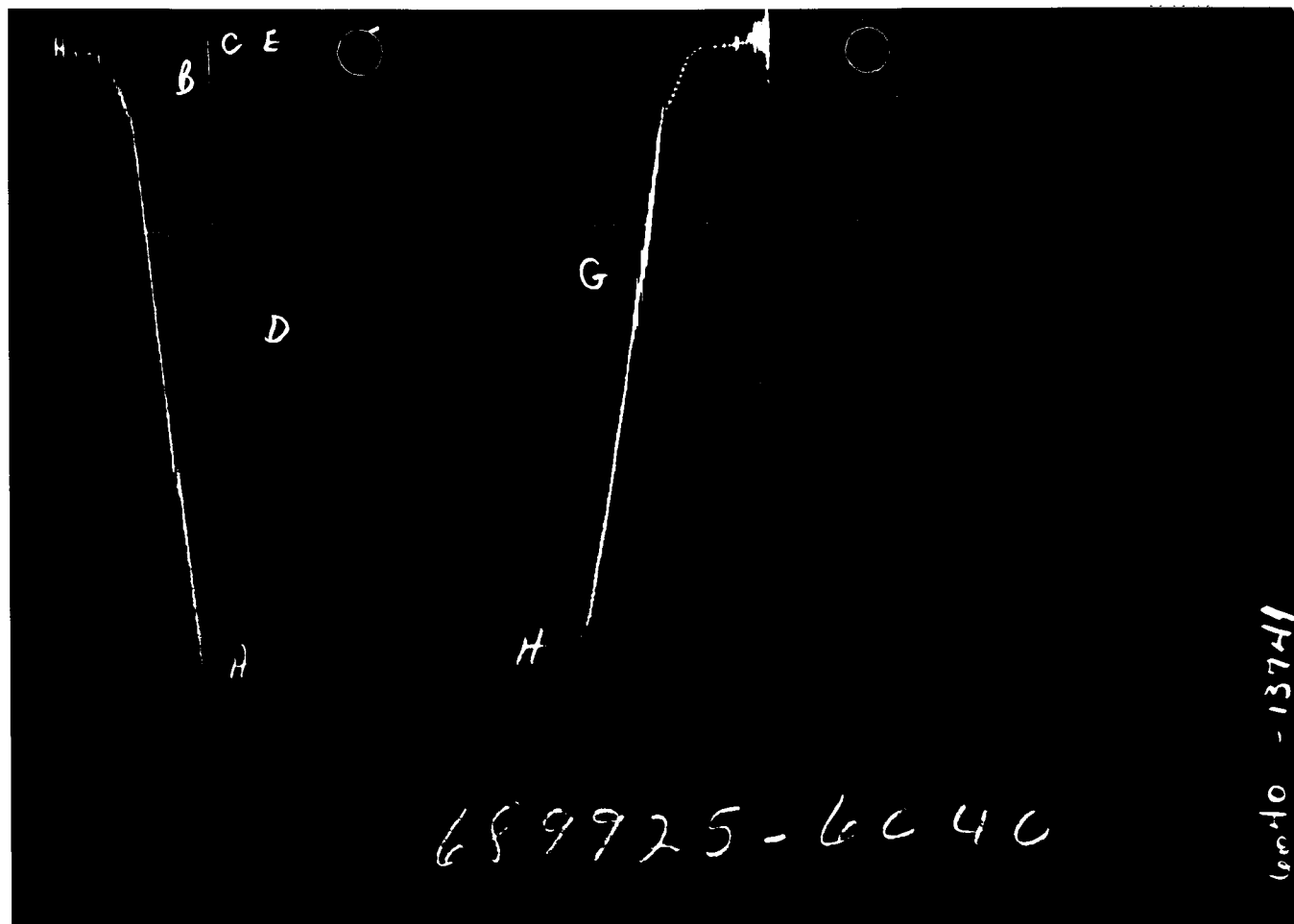
FORMATION TESTING SERVICE REPORT

SENTINEL PEAK		27-33	1	5818.1' - 5885.1'	SUPERIOR OIL
LEASE NAME		WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	27-41S-R-26E. SLM	FIELD AREA	ANETH	COUNTY	SAN JUAN STATE UTAH OR



GAUGE NO: 6039 DEPTH: 5796.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3342	3247.6			
B	INITIAL FIRST FLOW	27	22.6	10.0	9.5	F
C	FINAL FIRST FLOW	40	22.6			
C	INITIAL FIRST CLOSED-IN	40	22.6	60.0	58.4	C
D	FINAL FIRST CLOSED-IN	1317	1309.4			
E	INITIAL SECOND FLOW	27	26.4	120.0	123.6	F
F	FINAL SECOND FLOW	40	34.6			
F	INITIAL SECOND CLOSED-IN	40	34.6	240.0	238.5	C
G	FINAL SECOND CLOSED-IN	1250	1241.6			
H	FINAL HYDROSTATIC	3288	3240.1			



GAUGE NO: 6040 DEPTH: 5882.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3401	3295.7			
B	INITIAL FIRST FLOW	81	70.6	10.0	9.5	F
C	FINAL FIRST FLOW	108	72.1			
C	INITIAL FIRST CLOSED-IN	108	72.1	60.0	58.4	C
D	FINAL FIRST CLOSED-IN	1346	1359.1			
E	INITIAL SECOND FLOW	81	78.6	120.0	123.6	F
F	FINAL SECOND FLOW	135	83.9			
F	INITIAL SECOND CLOSED-IN	135	83.9	240.0	238.5	C
G	FINAL SECOND CLOSED-IN	1293	1288.7			
H	FINAL HYDROSTATIC	3347	3285.6			

EQUIPMENT & HOLE DATA

FORMATION TESTED: UPPER ISMAY
 NET PAY (ft): _____
 GROSS TESTED FOOTAGE: 67.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 8.750
 ELEVATION (ft): 5080
 TOTAL DEPTH (ft): 5885.0
 PACKER DEPTH(S) (ft): 5812, 5818
 FINAL SURFACE CHOKE (in): _____
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 10.70
 MUD VISCOSITY (sec): 36
 ESTIMATED HOLE TEMP. (°F): 120
 ACTUAL HOLE TEMP. (°F): 132 @ 5881.0 ft

TICKET NUMBER: 68992500DATE: 11-23-84 TEST NO: 1TYPE DST: OPEN HOLEHALLIBURTON CAMP:
FARMINGTONTESTER: GENE ROBERTS
DOUG FOSTERWITNESS: JAMES E. ????DRILLING CONTRACTOR:
BAYLESS #1FLUID PROPERTIES FOR
RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
PIT SAMPLE	<u>2.150 @ 51 °F</u>	<u>3333 ppm</u>
TOP SAMPLE	<u>3.360 @ 74 °F</u>	<u>2242 ppm</u>
SAMPLER	<u>3.360 @ 74 °F</u>	<u>2242 ppm</u>
	<u>@ °F</u>	<u>ppm</u>
	<u>@ °F</u>	<u>ppm</u>
	<u>@ °F</u>	<u>ppm</u>

SAMPLER DATA

Psig AT SURFACE: 50
 cu.ft. OF GAS: 0.00
 cc OF OIL: 0
 cc OF WATER: 0
 cc OF MUD: 2500
 TOTAL LIQUID cc: 2500

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): @ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

30' OF DRILLING MUDMEASURED FROM
TESTER VALVE

REMARKS:

TICKET NO: 68992500

CLOCK NO: 7276 HOUR: 24



HALLIBURTON

 SERVICES

GAUGE NO: 6039

DEPTH: 5796.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	22.6			
C 2	9.5	22.6	0.0		
FIRST CLOSED-IN					
C 1	0.0	22.6			
2	4.0	57.6	35.0	2.8	0.527
3	8.0	112.2	89.6	4.3	0.340
4	12.0	206.2	183.5	5.3	0.253
5	16.0	336.6	314.0	5.9	0.202
6	20.0	466.6	444.0	6.4	0.168
7	24.0	614.1	591.4	6.8	0.144
8	28.0	746.7	724.0	7.1	0.127
9	32.0	854.6	832.0	7.3	0.112
10	36.0	946.7	924.1	7.5	0.101
11	40.0	1028.7	1006.1	7.7	0.092
12	44.0	1102.4	1079.7	7.8	0.085
13	48.0	1169.6	1146.9	7.9	0.078
14	52.0	1233.7	1211.1	8.0	0.073
15	56.0	1291.6	1269.0	8.1	0.068
D 16	58.4	1309.4	1286.7	8.1	0.065
SECOND FLOW					
E 1	0.0	26.4			
2	20.0	28.3	1.9		
3	40.0	29.2	0.9		
4	60.0	31.1	1.9		
5	80.0	32.5	1.5		
6	100.0	34.4	1.9		
7	120.0	35.2	0.8		
F 8	123.6	34.6	-0.7		
SECOND CLOSED-IN					
F 1	0.0	34.6			
2	15.0	49.4	14.9	13.5	0.994
3	30.0	67.5	33.0	24.5	0.735
4	45.0	90.3	55.8	33.6	0.597
5	60.0	121.2	86.6	41.4	0.508
6	75.0	165.9	131.4	48.0	0.443
7	90.0	227.3	192.8	53.7	0.394
8	105.0	314.7	280.2	58.7	0.356
9	120.0	429.8	395.2	63.1	0.324
10	135.0	566.6	532.0	67.0	0.298
11	150.0	699.2	664.7	70.5	0.276
12	165.0	822.7	788.1	73.7	0.257
13	180.0	932.5	898.0	76.5	0.240
14	195.0	1030.2	995.6	79.1	0.226

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
15	210.0	1112.7	1078.2	81.5	0.213
16	225.0	1188.1	1153.6	83.6	0.202
G 17	238.5	1241.6	1207.1	85.4	0.193

REMARKS:

TICKET NO: 68992500
CLOCK NO: 13741 HOUR: 24























GAUGE NO: 6040
DEPTH: 5882.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	70.6			
2	2.0	71.5	0.9		
3	4.0	72.2	0.7		
4	6.0	72.2	0.0		
5	8.0	72.6	0.4		
C 6	9.5	72.1	-0.5		
FIRST CLOSED-IN					
C 1	0.0	72.1			
2	4.0	102.6	30.5	2.8	0.530
3	8.0	151.3	79.2	4.3	0.338
4	12.0	238.3	166.3	5.3	0.252
5	16.0	365.4	293.3	5.9	0.202
6	20.0	500.5	428.5	6.4	0.168
7	24.0	646.8	574.8	6.8	0.144
8	28.0	766.8	694.8	7.1	0.126
9	32.0	875.8	803.8	7.3	0.113
10	36.0	973.2	901.1	7.5	0.101
11	40.0	1063.7	991.7	7.7	0.092
12	44.0	1139.9	1067.9	7.8	0.085
13	48.0	1211.9	1139.8	7.9	0.078
14	52.0	1271.1	1199.0	8.0	0.073
15	56.0	1330.8	1258.7	8.1	0.068
D 16	58.4	1359.1	1287.0	8.1	0.065
SECOND FLOW					
E 1	0.0	78.6			
2	20.0	78.2	-0.4		
3	40.0	79.2	0.9		
4	60.0	79.9	0.7		
5	80.0	80.8	0.9		
6	100.0	81.6	0.8		
7	120.0	82.7	1.1		
F 8	123.6	83.9	1.2		
SECOND CLOSED-IN					
F 1	0.0	83.9			
2	15.0	98.9	15.0	13.4	0.996
3	30.0	117.8	33.9	24.5	0.736
4	45.0	141.4	57.4	33.6	0.597
5	60.0	173.3	89.4	41.3	0.508
6	75.0	218.4	134.5	48.0	0.443
7	90.0	284.8	200.9	53.7	0.394
8	105.0	374.7	290.8	58.7	0.356
9	120.0	491.9	407.9	63.1	0.324
10	135.0	625.1	541.2	67.0	0.298

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN - CONTINUED					
11	150.0	751.9	668.0	70.5	0.276
12	165.0	869.9	786.0	73.7	0.257
13	180.0	976.9	893.0	76.5	0.240
14	195.0	1072.5	988.6	79.1	0.226
15	210.0	1154.9	1071.0	81.5	0.213
16	225.0	1229.7	1145.8	83.6	0.202
G 17	238.5	1288.7	1204.8	85.4	0.193

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	5186.4	
3		DRILL COLLARS.....	6.000	2.250	532.4	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	5718.8
5		CROSSOVER.....	6.000	3.000	1.0	
51		PUMP OUT REVERSING SUB.....	6.000	3.000	1.0	5720.8
5		CROSSOVER.....	6.000	3.000	1.0	
3		DRILL COLLARS.....	6.000	2.250	60.1	
5		CROSSOVER.....	6.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	5.030	0.870	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5794.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5796.0
15		JAR.....	5.030	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	7.750	1.530	6.0	5812.0
70		OPEN HOLE PACKER.....	7.500	1.530	6.0	5818.0
5		CROSSOVER.....	6.000	3.000	1.0	
3		DRILL COLLARS.....	6.000	2.250	29.1	
5		CROSSOVER.....	6.000	3.000	1.0	
20		FLUSH JOINT ANCHOR.....	5.750	3.000	30.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5882.0
TOTAL DEPTH					5885.0	

EQUIPMENT DATA

690

RECEIVED
DEC 04 1984

DIVISION OF
OIL, GAS & MINING



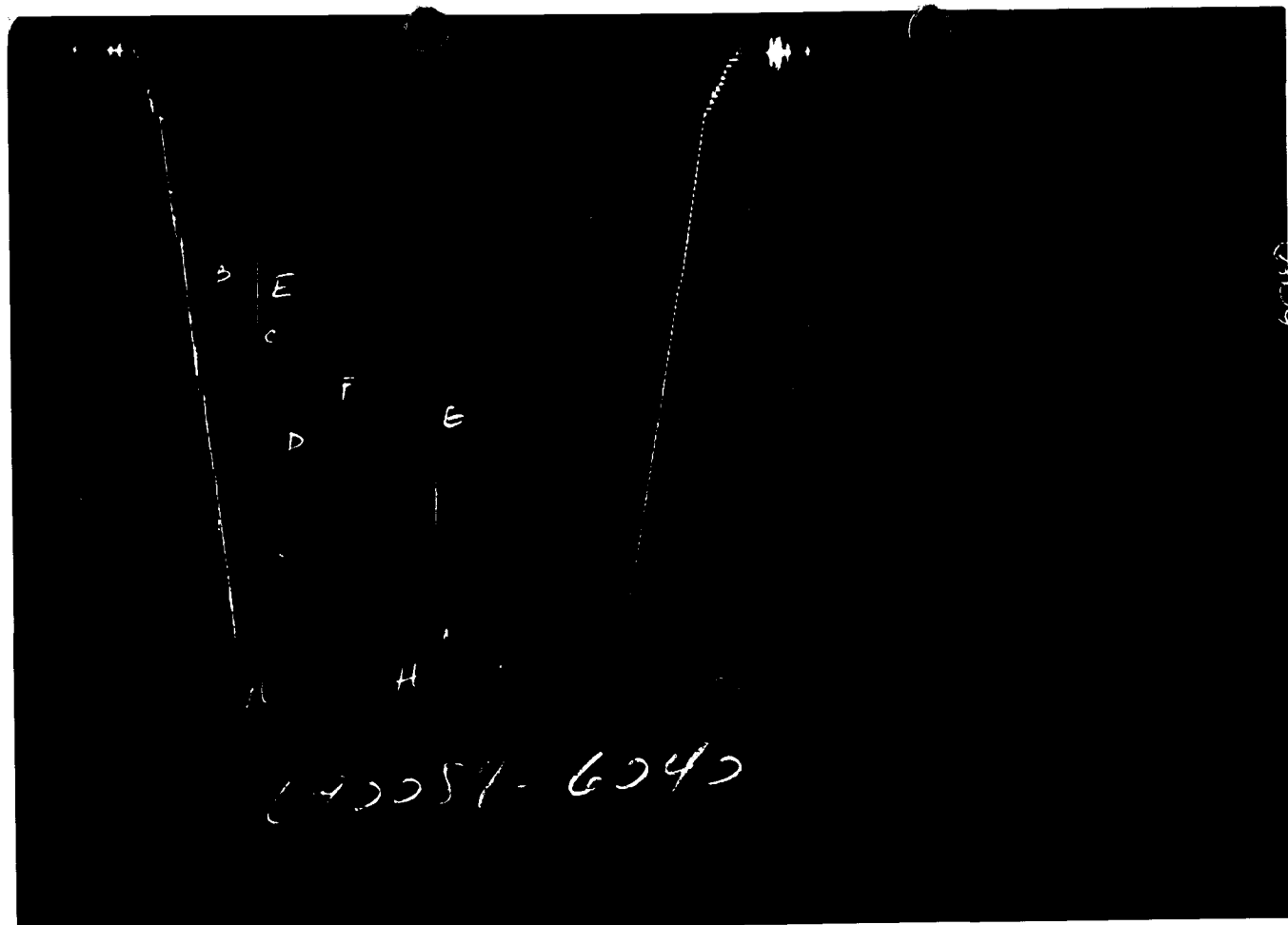
TICKET NO. 69008700

29-NOV-84

FARMINGTON

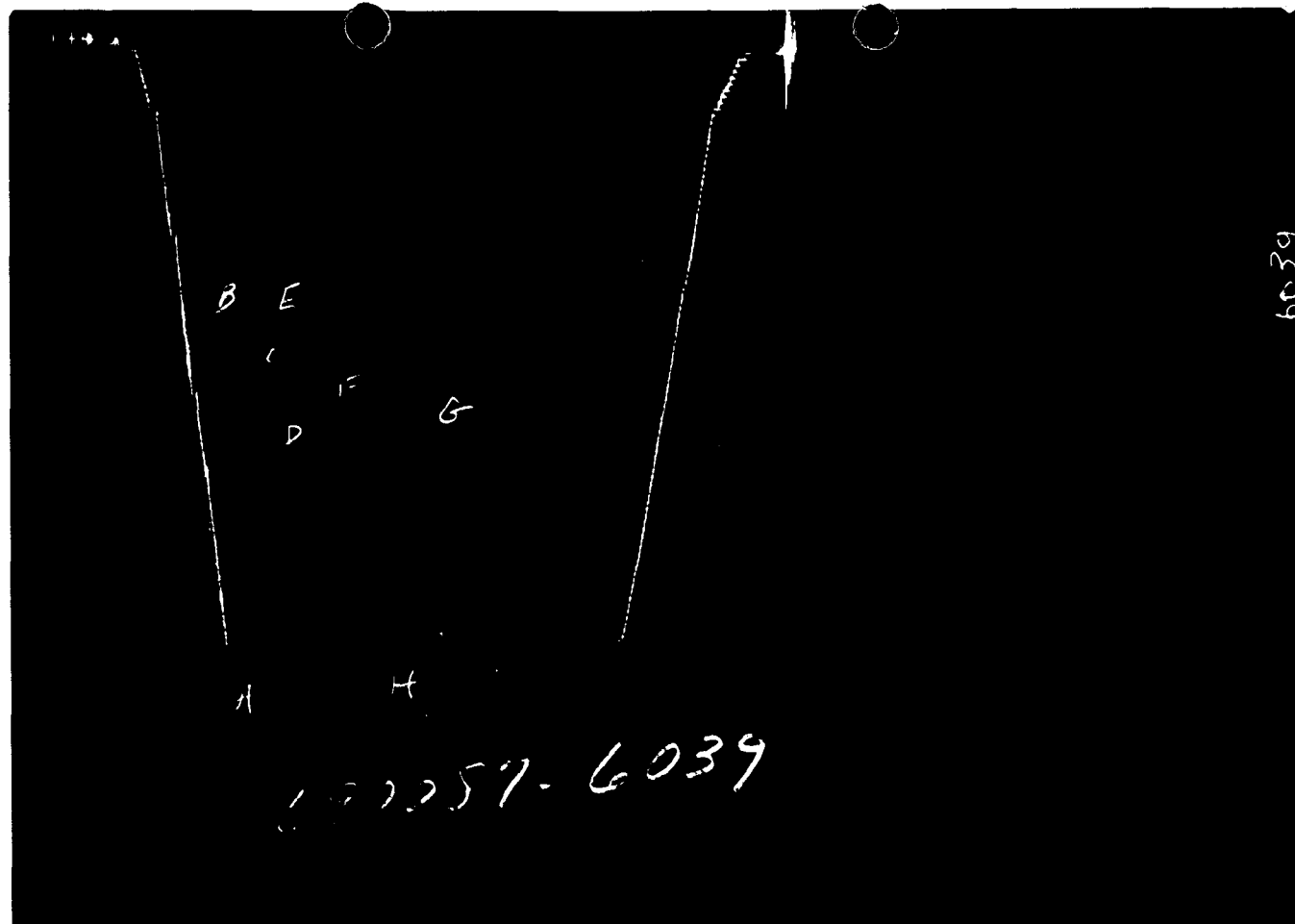
FORMATION TESTING SERVICE REPORT

SENTINEL PEAK	27-33	2	5886.1 - 5912.1	SUPERIOR OIL COMPANY
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.	27-41S-26E	FIELD AREA	WILDCAT	COUNTY
				SAN JUAN
				STATE
				UTAH
				IC



GAUGE NO: 6040 DEPTH: 5865.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3347	3309.9			
B	INITIAL FIRST FLOW	1306	1309.6	10.0	9.2	F
C	FINAL FIRST FLOW	1562	1553.1			
C	INITIAL FIRST CLOSED-IN	1562	1553.1	30.0	29.7	C
D	FINAL FIRST CLOSED-IN	2007	2001.3			
E	INITIAL SECOND FLOW	1427	1418.3	60.0	59.5	F
F	FINAL SECOND FLOW	1980	1969.6			
F	INITIAL SECOND CLOSED-IN	1980	1969.6	120.0	120.9	C
G	FINAL SECOND CLOSED-IN	2007	2006.1			
H	FINAL HYDROSTATIC	3333	3289.9			



GAUGE NO: 6039 DEPTH: 5909.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	3370	3330.3			
B	INITIAL FIRST FLOW	1385	1379.4	10.0	9.2	F
C	FINAL FIRST FLOW	1586	1599.9			
C	INITIAL FIRST CLOSED-IN	1586	1599.9	30.0	29.7	C
D	FINAL FIRST CLOSED-IN	2018	2008.6			
E	INITIAL SECOND FLOW	1492	1475.9	60.0	59.5	F
F	FINAL SECOND FLOW	1991	1979.0			
F	INITIAL SECOND CLOSED-IN	1991	1979.0	120.0	120.9	C
G	FINAL SECOND CLOSED-IN	2018	2013.7			
H	FINAL HYDROSTATIC	3342	3307.3			

EQUIPMENT & HOLE DATA

TICKET NUMBER: 69008700

FORMATION TESTED: LOWER ISMAY

DATE: 11-25-84 TEST NO: 2

NET PAY (ft): 14.0

GROSS TESTED FOOTAGE: 26.0

TYPE DST: OPEN HOLE

ALL DEPTHS MEASURED FROM: KELLY BUSHING

CASING PERFS. (ft):

HALLIBURTON CAMP:
FARMINGTON

HOLE OR CASING SIZE (in): 8.750

ELEVATION (ft): 5093

TESTER: D. AULD

TOTAL DEPTH (ft): 5912.0

PACKER DEPTH(S) (ft): 5880. 5886

WITNESS: JIM GAGAUARZ

FINAL SURFACE CHOKE (in): 0.250

BOTTOM HOLE CHOKE (in): 0.750

MUD WEIGHT (lb/gal): 10.70

MUD VISCOSITY (sec): 40

DRILLING CONTRACTOR:
BAYLESS #1

ESTIMATED HOLE TEMP. (°F):

ACTUAL HOLE TEMP. (°F): 135 @ 5908.0 ft

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
PIT	1.510 @ 75 °F	2200 ppm
TOP (OIL)	@ °F	ppm
MIDDLE	0.204 @ 60 °F	24000 ppm
BOTTOM	0.241 @ 60 °F	20000 ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Pstg AT SURFACE: 1300
cu.ft. OF GAS: 3.33
cc OF OIL: 1550
cc OF WATER: 0
cc OF MUD: 0
TOTAL LIQUID cc: 1550

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): 44.1 @ 60°F
GAS/OIL RATIO (cu.ft. per bbl): 341
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT
MUD (GALLON)	5.0	10.70

RECOVERED:

22.8 BARRELS OF OIL

MEASURED FROM
TESTER VALVE

REMARKS:

42.2 BARRELS OF OIL RECOVERED DURING THE TEST.

TYPE & SIZE MEASURING DEVICE: _____					TICKET NO: 68008700
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
11-24-84					
0830					ON LOCATION
0944					PICKED UP TOOL
1024					TOOL ON WAY IN HOLE
1309	.125" BH	1			OPENED TOOL-REMAINED ON SAME
					CHOKE ENTIRE FIRST FLOW
1310		50			
1311		80			
1312		100			
1313		138			
1314		160			
1315		175			
1316		200			
1317		220			
1318		275			GAS TO SURFACE
1319		300			CLOSED TOOL
1334					OIL TO SURFACE
1349	.25	150			OPENED TOOL-REMAINED ON SAME
					CHOKE ENTIRE SECOND FLOW
1354		340			
1359		425			
1404		500			
1409		525			
1414		525			
1419		525			
1424		520			
1429		515			
1434		500			
1439		515			
1444		545			
1449		550			CLOSED TOOL
1649					OPENED BYPASS AND REVERSED OUT
1800					TRIPPED OUT-WORKED ON RIG
11-25-84					
0200					JOB COMPLETED

TICKET NO: 69008700
CLOCK NO: 13741 HOUR: 24



GAUGE NO: 6040
DEPTH: 5865.0

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	1309.6			
2	1.0	1311.2	1.6		
3	2.0	1310.8	-0.4		
4	3.0	1324.3	13.5		
5	4.0	1345.5	21.1		
6	5.0	1372.8	27.3		
7	6.0	1415.7	42.9		
8	7.0	1457.6	41.8		
9	8.0	1498.2	40.6		
C 10	9.2	1553.1	55.0		
FIRST CLOSED-IN					
C 1	0.0	1553.1			
2	1.0	1951.0	397.9	0.9	0.998
3	2.0	1962.9	409.8	1.6	0.749
4	3.0	1969.8	416.7	2.2	0.610
5	4.0	1975.0	421.8	2.8	0.517
6	5.0	1979.2	426.0	3.2	0.451
7	6.0	1982.0	428.9	3.6	0.405
8	7.0	1984.3	431.2	4.0	0.364
9	8.0	1986.1	432.9	4.3	0.332
10	9.0	1988.1	435.0	4.5	0.306
11	10.0	1990.0	436.9	4.8	0.283
12	12.0	1992.0	438.9	5.2	0.247
13	14.0	1993.9	440.8	5.5	0.218
14	16.0	1995.3	442.2	5.8	0.197
15	18.0	1996.4	443.2	6.1	0.179
16	20.0	1997.2	444.1	6.3	0.164
17	22.0	1998.4	445.3	6.5	0.151
18	24.0	1999.4	446.2	6.6	0.141
19	26.0	2000.0	446.9	6.8	0.131
20	28.0	2000.4	447.3	6.9	0.123
D 21	29.7	2001.3	448.1	7.0	0.117
SECOND FLOW					
E 1	0.0	1418.3			
2	1.0	1418.8	0.4		
3	2.0	1441.6	22.9		
4	3.0	1475.8	34.1		
5	4.0	1513.0	37.2		
6	5.0	1560.7	47.7		
7	6.0	1610.5	49.8		
8	7.0	1651.8	41.3		
9	8.0	1695.4	43.6		
10	9.0	1738.5	43.1		
11	10.0	1769.5	31.0		
12	12.0	1830.3	60.8		

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
13	14.0	1875.4	45.1		
14	16.0	1904.1	28.7		
15	18.0	1923.1	19.0		
16	20.0	1934.5	11.4		
17	22.0	1942.7	8.3		
18	24.0	1947.7	5.0		
19	26.0	1950.7	3.0		
20	28.0	1952.4	1.6		
21	30.0	1954.2	1.9		
22	35.0	1957.0	2.7		
23	40.0	1958.4	1.5		
24	45.0	1957.5	-0.9		
25	48.1	1956.7	-0.8		
26	50.0	1964.9	8.3		
27	55.0	1968.7	3.8		
F 28	59.5	1969.6	0.8		
SECOND CLOSED-IN					
F 1	0.0	1969.6			
2	1.0	1987.4	17.9	1.0	1.827
3	2.0	1988.8	19.2	2.0	1.538
4	3.0	1989.3	19.8	2.9	1.375
5	4.0	1990.4	20.9	3.8	1.256
6	5.0	1991.5	21.9	4.7	1.165
7	6.0	1992.0	22.5	5.5	1.098
8	7.0	1992.7	23.2	6.4	1.034
9	8.0	1993.0	23.4	7.2	0.981
10	9.0	1993.5	24.0	8.0	0.934
11	10.0	1994.2	24.6	8.7	0.897
12	12.0	1994.7	25.2	10.2	0.828
13	14.0	1995.3	25.7	11.6	0.770
14	16.0	1996.2	26.7	12.9	0.725
15	18.0	1997.1	27.5	14.2	0.683
16	20.0	1997.7	28.2	15.5	0.646
17	22.0	1998.1	28.6	16.6	0.615
18	24.0	1998.7	29.1	17.8	0.587
19	26.0	1999.0	29.4	18.9	0.561
20	28.0	1999.5	29.9	19.9	0.538
21	30.0	1999.8	30.2	20.9	0.517
22	35.0	2000.7	31.2	23.2	0.472
23	40.0	2001.3	31.7	25.3	0.434
24	45.0	2001.9	32.4	27.2	0.403
25	50.0	2002.6	33.1	28.9	0.375
26	55.0	2002.9	33.3	30.5	0.352
27	60.0	2003.6	34.0	32.0	0.331
28	70.0	2004.2	34.7	34.6	0.297
29	80.0	2004.5	35.0	37.0	0.269
30	90.0	2005.6	36.1	39.0	0.246
31	100.0	2006.0	36.5	40.7	0.227
32	110.0	2006.1	36.6	42.3	0.211
G 33	120.9	2006.1	36.6	43.8	0.195

LEGEND:
☐ POSSIBLE CHOKE CHANGE
 REMARKS:

TICKET NO: 69008700

CLOCK NO: 7276 HOUR: 24


HALLIBURTON
SERVICES

GAUGE NO: 6039

DEPTH: 5909.0


















REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	1379.4			
2	1.0	1380.9	1.5		
3	2.0	1379.2	-1.8		
4	3.0	1384.7	5.5		
5	4.0	1402.8	18.1		
6	5.0	1424.6	21.8		
7	6.0	1458.9	34.3		
8	7.0	1495.3	36.4		
9	8.0	1542.4	47.2		
C 10	9.2	1599.9	57.4		
FIRST CLOSED-IN					
C 1	0.0	1599.9			
2	1.0	1956.0	356.1	0.9	0.999
3	2.0	1968.4	368.6	1.7	0.744
4	3.0	1976.8	377.0	2.2	0.611
5	4.0	1982.9	383.1	2.8	0.518
6	5.0	1986.6	386.7	3.2	0.451
7	6.0	1989.0	389.2	3.6	0.404
8	7.0	1991.9	392.0	4.0	0.363
9	8.0	1994.0	394.2	4.3	0.331
10	9.0	1995.4	395.5	4.5	0.305
11	10.0	1997.4	397.6	4.8	0.282
12	12.0	1999.6	399.7	5.2	0.247
13	14.0	2001.1	401.2	5.5	0.219
14	16.0	2002.3	402.5	5.8	0.197
15	18.0	2003.8	404.0	6.1	0.179
16	20.0	2005.3	405.4	6.3	0.164
17	22.0	2006.3	406.4	6.5	0.152
18	24.0	2007.1	407.2	6.6	0.141
19	26.0	2007.8	407.9	6.8	0.131
20	28.0	2008.2	408.3	6.9	0.123
D 21	29.7	2008.6	408.7	7.0	0.117
SECOND FLOW					
E 1	0.0	1475.9			
2	1.0	1479.5	3.7		
3	2.0	1505.4	25.9		
4	3.0	1545.0	39.6		
5	4.0	1571.1	26.2		
6	5.0	1604.3	33.2		
7	6.0	1654.9	50.6		
8	7.0	1692.0	37.1		
9	8.0	1727.9	35.9		
10	9.0	1771.6	43.6		
11	10.0	1800.3	28.7		
12	12.0	1848.6	48.3		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
13	14.0	1888.6	40.0		
14	16.0	1917.3	28.7		
15	18.0	1933.7	16.4		
16	20.0	1945.0	11.3		
17	22.0	1952.8	7.9		
18	24.0	1957.3	4.5		
19	26.0	1959.7	2.4		
20	28.0	1962.2	2.4		
21	30.0	1964.2	2.0		
22	35.0	1966.6	2.4		
23	40.0	1968.7	2.0		
24	45.0	1969.0	0.3		
<input checked="" type="checkbox"/> 25	48.1	1969.0	0.0		
26	50.0	1974.5	5.6		
27	55.0	1978.6	4.1		
F 28	59.5	1979.0	0.4		
SECOND CLOSED-IN					
F 1	0.0	1979.0			
2	1.0	1995.3	16.3	1.0	1.833
3	2.0	1997.0	18.0	2.0	1.539
4	3.0	1998.2	19.3	2.9	1.373
5	4.0	1999.5	20.5	3.8	1.256
6	5.0	2000.1	21.2	4.7	1.169
7	6.0	2001.2	22.3	5.5	1.098
8	7.0	2001.8	22.8	6.4	1.033
9	8.0	2002.5	23.5	7.2	0.981
10	9.0	2003.1	24.2	8.0	0.935
11	10.0	2003.7	24.7	8.7	0.897
12	12.0	2004.0	25.0	10.2	0.828
13	14.0	2004.8	25.8	11.6	0.771
14	16.0	2005.6	26.6	13.0	0.724
15	18.0	2005.9	26.9	14.3	0.682
16	20.0	2006.5	27.6	15.5	0.646
17	22.0	2006.9	28.0	16.7	0.615
18	24.0	2007.5	28.5	17.8	0.586
19	26.0	2007.9	28.9	18.8	0.561
20	28.0	2008.2	29.2	19.9	0.538
21	30.0	2008.3	29.3	20.9	0.517
22	35.0	2009.0	30.0	23.2	0.471
23	40.0	2010.1	31.1	25.3	0.434
24	45.0	2010.7	31.8	27.2	0.402
25	50.0	2011.2	32.2	28.9	0.375
26	55.0	2011.2	32.2	30.5	0.352
27	60.0	2011.3	32.3	32.0	0.331
28	70.0	2012.1	33.1	34.7	0.297
29	80.0	2012.4	33.4	36.9	0.269
30	90.0	2013.1	34.1	38.9	0.246
31	100.0	2013.2	34.2	40.7	0.227
32	110.0	2013.3	34.3	42.3	0.211
G 33	120.9	2013.7	34.8	43.8	0.195

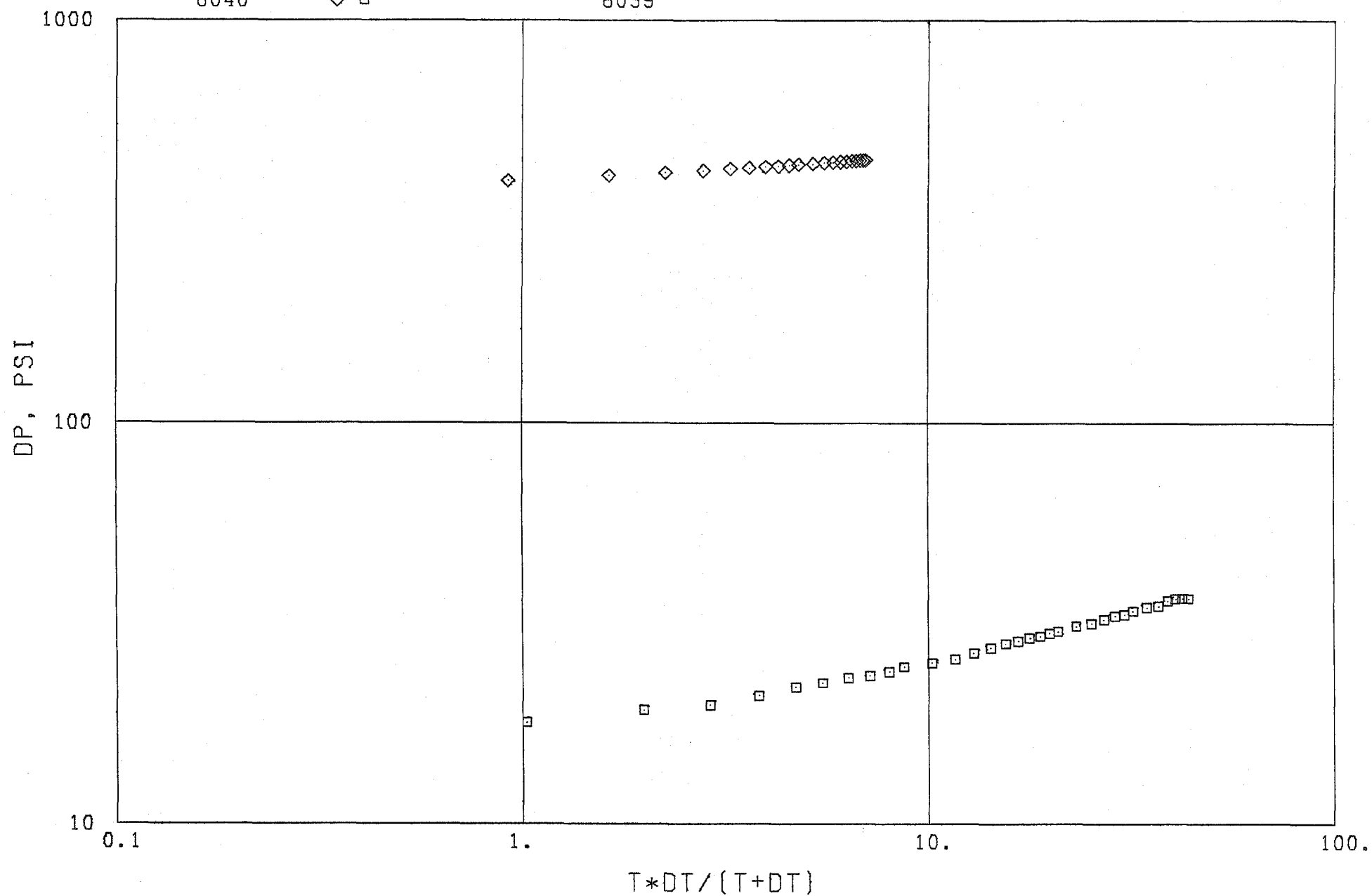
LEGEND:

☒ POSSIBLE CHOKE CHANGE

REMARKS:

		O.D.	I.D.	LENGTH	DEPTH	
1		DRILL PIPE.....	4.500	3.826	5256.0	
6		SUB-SEA TEST TREE.....	6.500	2.250	533.0	
5		CROSSOVER.....	6.000	3.000	1.0	
51		PUMP OUT REVERSING SUB.....	6.000	3.000	1.0	5791.0
5		CROSSOVER.....	6.000	3.000	1.0	
50		IMPACT REVERSING SUB.....	6.000	3.000	1.0	5793.0
3		DRILL COLLARS.....	6.500	2.250	58.0	
5		CROSSOVER.....	6.000	3.000	1.0	
13		DUAL CIP SAMPLER.....	6.000	0.870	7.0	
60		HYDROSPRING TESTER.....	5.000	0.750	5.0	5863.0
80		AP RUNNING CASE.....	5.000	2.250	4.0	5865.0
15		JAR.....	5.000	1.750	5.0	
16		VR SAFETY JOINT.....	5.000	1.000	3.0	
70		OPEN HOLE PACKER.....	7.750	1.530	6.0	5880.0
70		OPEN HOLE PACKER.....	7.750	1.530	6.0	5886.0
20		FLUSH JOINT ANCHOR.....	5.760	2.250	20.0	
81		BLANKED-OFF RUNNING CASE.....	5.750		4.0	5909.0
TOTAL DEPTH					5912.0	

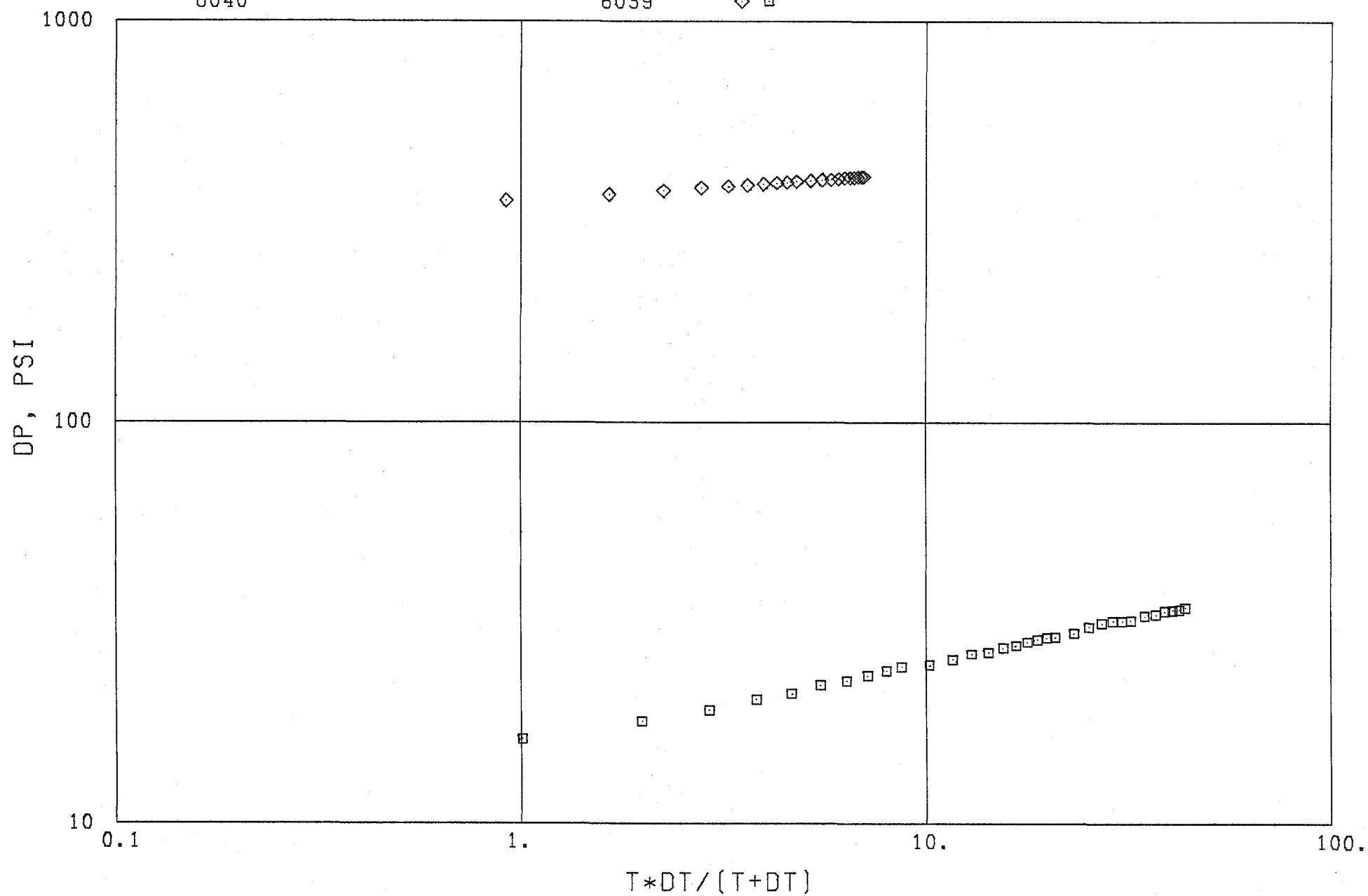
EQUIPMENT DATA

GAUGE NO CIP 1 2
6040 \diamond \square GAUGE NO CIP 1 2
6039 \diamond \square 

TICKET NO 69008700

GAUGE NO CIP 1 2
6040

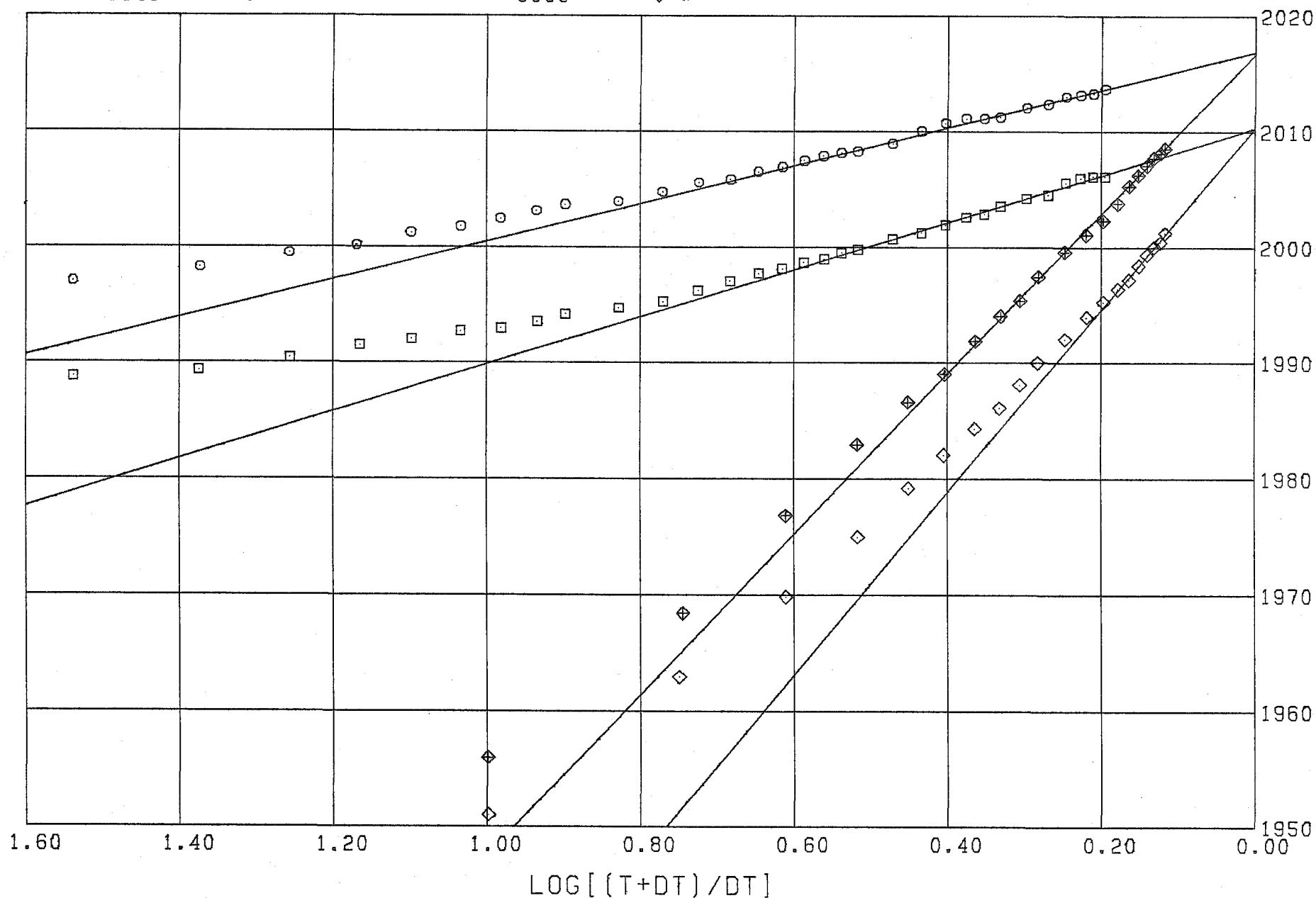
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TICKET NO 69008700

GAUGE NO CIP 1 2
6040 ◇ □

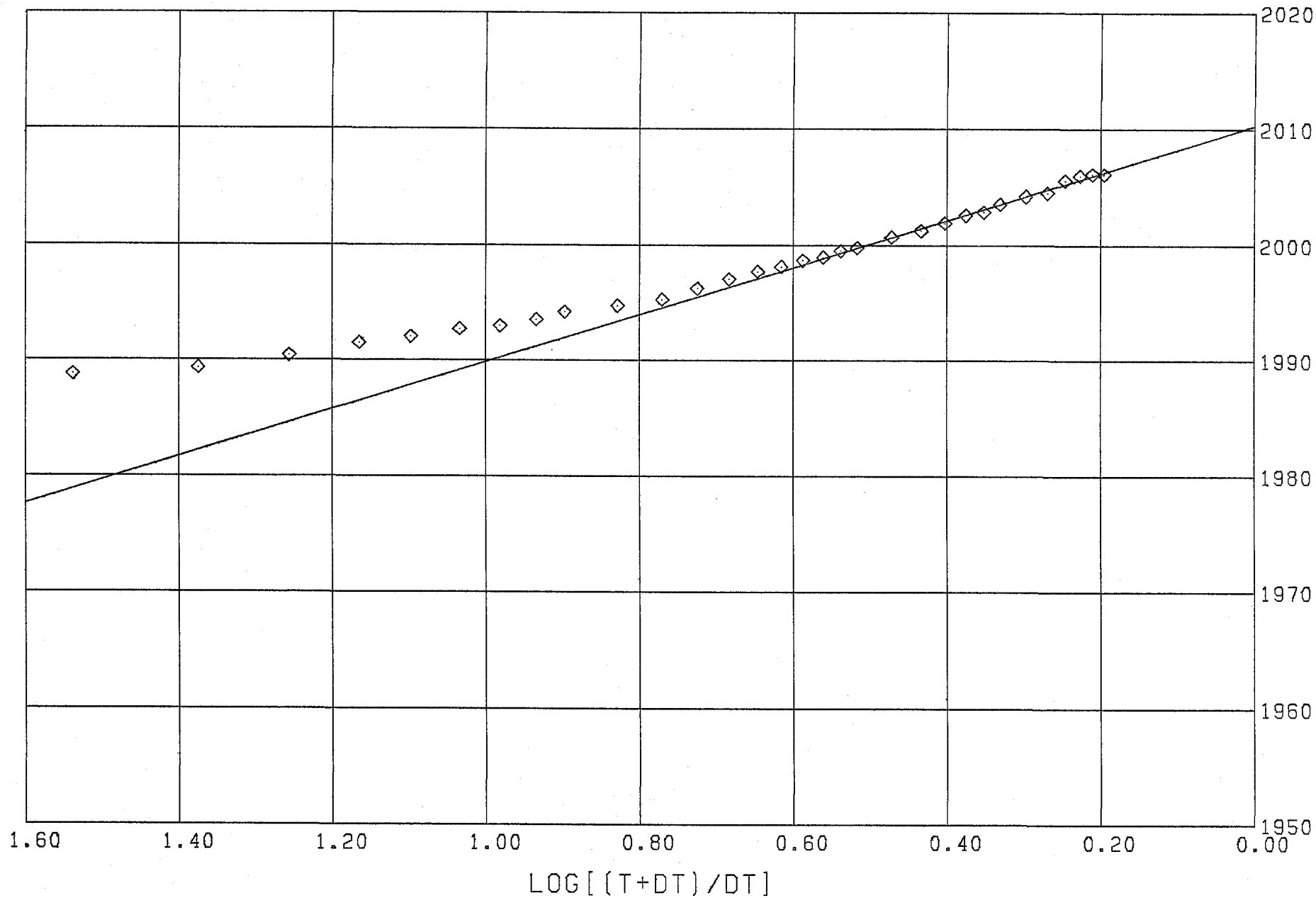
GAUGE NO CIP 1 2
6039 ◇ ○



GAUGE NO CIP 1 2
6040 ◇

GAUGE NO CIP 1 2
6039

TICKET NO 69008700



SUMMARY OF RESERVOIR PARAMETERS USING HORNER METHOD

OIL GRAVITY	44.1	@60°	WATER % SALT	0.0
GAS GRAVITY	0.700		FLUID GRADIENT	0.3492 psi/ft
GAS/OIL RATIO	341.0	cu.ft/bbl	FORMATION VOL FACTOR	1.202 vol/vol
TEMPERATURE	135.0	°F	FLUID PROPERTIES AT	2016.9 Pstg
VISCOSITY	0.779	cp	NET PAY	14.0 ft
PIPE CAPACITY FACTOR(S)	0.00492			0.01422 bbl/ft

GAUGE NUMBER		6040	6040	6039	6039			
GAUGE DEPTH		5865.0	5865.0	5909.0	5909.0			
FLOW AND CIP PERIOD		1	2	1	2			UNITS
FINAL FLOW PRESSURE	P_f	1553.1	1969.6	1599.9	1979.0			Pstg
TOTAL FLOW TIME	t	9.2	68.7	9.2	68.7			min
EXTRAPOLATED PRESSURE	P^*	2010.3	2010.3	2016.7	2016.9			Pstg
ONE CYCLE PRESSURE		1931.6	1989.9	1947.5	2000.5			Pstg
PRODUCTION RATE	Q	2573.6	2358.4	2247.2	2141.3			BPD
TRANSMISSIBILITY	kh/μ	6392.26	22518.8	6347.09	25423.9			md-ft cp
FLOW CAPACITY	kh	4979.68	17542.5	4944.49	19805.6			md-ft
PERMEABILITY	k	355.691	1253.03	353.178	1414.69			md
DAMAGE RATIO	DR	1.06	0.29	1.10	0.33			
POTENTIAL RATE	Q_1	2739.0	2358.4	2481.4	2141.3			BPD
RADIUS OF INVESTIGATION	r_i	261.0	1340.4	260.1	1424.2			ft

REMARKS:

THE LOG-LOG PLOTS AND HORNER EXTRAPOLATIONS INDICATE STIMULATED WELL-BORE CONDITIONS AND/OR THE POSSIBLE PRESENCE OF FRACTURE(S).

THE FLOW RATES USED TO CALCULATE THE RESERVOIR PARAMETERS WERE DETERMINED USING THE PRESSURE CHANGE METHOD. ONLY THE EARLY PORTION OF THE FINAL FLOW PERIOD WAS USED FOR FLOW RATE DETERMINATION.

NOTICE:

THESE CALCULATIONS ARE BASED UPON INFORMATION FURNISHED BY YOU AND TAKEN FROM DRILL STEM PRESSURE CHARTS, AND ARE FURNISHED TO YOU FOR YOUR INFORMATION. IN FURNISHING SUCH CALCULATIONS AND EVALUATIONS BASED THEREON, HALLIBURTON IS MERELY EXPRESSING ITS OPINION. YOU AGREE THAT HALLIBURTON MAKES NO WARRANTY EXPRESS OR IMPLIED AS TO THE ACCURACY OF SUCH CALCULATIONS OR OPINIONS, AND THAT HALLIBURTON SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, WHETHER DUE TO NEGLIGENCE OR OTHERWISE, IN CONNECTION WITH SUCH OPINIONS.

SUPERIOR OIL

June 12, 1984

Mr. Ron Firth
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Proposed Sentinel Peak #27-33
3416' FWL; 1326' FSL
Sec. 27, T41S, R26E
San Juan County, Utah

Dear Mr. Firth:

The attached Application for Permit to Drill for the above-referenced well is staked on an unorthodox location in accordance with Rule C-3(c), General Rules and Regulations and Practice and Procedure. An exemption is requested due to archaeological restrictions resulting from artifacts found in the area. Our new location satisfies the archaeological survey and is in proximity to our existing seismic control.

We would appreciate your cooperation on this matter.

Sincerely yours,



Jeanette M. Bauman
Production Geologist

JMB/jme
Attachment

SUPPLEMENT TO FORM 3160-3

WELL: Sentinel Peak #27-33

ELEVATION: 5076.5' Ungraded Ground Level

SURFACE FORMATION: Dakota

ESTIMATED FORMATION TOPS:	<u>Formation</u>	<u>Top</u>
	Chinle	1700'
	DeChelly	3105'
	Organ Rock	3190'
	Hermosa	5275'
	Ismay	5686'
	Lower Ismay	5778'
	Gothic Shale	5830'
	Desert Creek	5880'
	Chimney Rock Shale	5972'
	TD	6000'

WATER BEARING FORMATION: Fresh water is expected to be encountered intermittently from 100' to 1700'.

HYDROCARBON BEARING FORMATION: Oil & gas could be encountered in the Ismay and Desert Creek from 5686' to 5972'.

MUD PROGRAM:

- Surface to 100' - spud mud.
- 100' to 1750' - fresh water.
- 1750' to 3000' - fresh water/gel/polymer.
- 3000' to 5580' - lignosulfonate mud system.
- 5580' to TD - lignosulfonate mud system. Water loss controlled to 15 cc or less and weighted with barite as necessary.

CASING PROGRAM:	<u>Depth</u>	<u>Size</u>	<u>O. D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Conductor	0-100'	17-1/2"	13-3/8"	54.5#	K-55	ST&C
Surface	0-1750'	12-1/4"	9-5/8"	36#	K-55	ST&C
Production	0-6000'	8-3/4"	7"	23#	K-55	ST&C

ALL CASING WILL BE NEW.

(2)

CEMENT PROGRAM:

Conductor - cement to surface w/ 150 sx Class 'B' + 2% CaCl.

Surface - cement to surface w/ 500 sx Lite + 10#/sk Gilsonite + .4% LoDense + 5#/sk LCM & 200 sx Class 'B' + 2% CaCl.

Production - 500 sx Class 'B' + 1.7% D-29 (anti-migration additive) + .3% R-5 (retarder). Est TOC: 4900'.

PRESSURE CONTROLS:

Blowout preventer equipment will be 10" Series 900 (3000 psig working pressure) with blind rams and drill pipe rams hydraulically and manually controlled. The BOP's will be tested to 1500 psig and actuated daily to insure proper functioning. The schematic of the pressure control equipment can be seen on the attached diagram.

LOGGING PROGRAM:

DIL/SFL: TD to 1750'.

CNL/FDC: TD to 5275'.

BHC-Sonic TD to 1750'.

RFT (5-10 shots): Lower Ismay.

HIGH PRESSURE AND/OR H₂S GAS: High pressure gas or gas containing detectable H₂S are not anticipated while drilling this well.

DRILL STEM TESTS:

1) Upper Ismay; 2) Lower Ismay

CORING:

None anticipated at this time.

ANTICIPATED STARTING DATE:

July 15, 1984.



STATE OF UTAH
NATURAL RESOURCES
Water Rights

74 West Main Street • P.O. Box 718 • Price, UT 84501 • 801-637-1303

file
Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

RECEIVED

JUN ' 8 1984

**DIVISION OF OIL
GAS & MINING**

June 15, 1984

Division of Oil, Gas and Mining
Attn: Norm Stout
4241 State Office Building
Salt Lake City, Utah 84114

Re: Temporary Change Application 84-09-14

Dear Mr. Stout:

Enclosed please find a copy of the above referenced Temporary Change Application for your records. Please feel free to contact me if you have any questions.

Sincerely,

Mark
Mark P. Page
Area Engineer

Enclosure

MPP/mjk

RECEIVED

JUN 18 1984

Form 111 8-61-2M

DIVISION OF OIL
GAS & MINING

APPLICATION NO. 84-09-14
DISTRIBUTION SYSTEM N.A.

Application For Temporary Change of Point of Diversion,
Place or Purpose of Use

STATE OF UTAH

(To Be Filed in Duplicate)

RECEIVED

JUN 15 1984

Cortez, Colorado June 11, 1984
Place Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)
of water, the right to the use of which was acquired by 29718(a-3777), 09-229, Cert. No. 8446
(Give No. of application, title and date of Decree and Award No.)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of
facts, submitted in accordance with the requirements of the Laws of Utah.

1. The owner of right or application is The Superior Oil Company
2. The name of the person making this application is Same as above.
3. The post office address of the applicant is P. O. Drawer 'G', Cortez, Colorado 81321

PAST USE OF WATER

4. The flow of water which has been used in second feet is 6.45
5. The quantity of water which has been used in acre feet is
6. The water has been used each year from January 1 to December 31 incl.
(Month) (Day) (Month) (Day)
7. The water has been stored each year from to incl.
(Month) (Day) (Month) (Day)
8. The direct source of supply is underground water (22 Wells) San Juan County.
9. The water has been diverted into ditch at a point located See attached sheet
canal
10. The water involved has been used for the following purpose: Secondary oil recovery

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

11. The flow of water to be changed in cubic feet per second is
12. The quantity of water to be changed in acre-feet is 2.0
13. The water will be diverted into the a tank truck ditch at a point located see attached
canal sheet from the collection point of the wells listed on the attachment.
14. The change will be made from August 1 1984 to November 31 1984
(Period must not exceed one year)
15. The reasons for the change are source of water for exploratory drilling
16. The water involved herein has heretofore been temporarily changed 0 years prior to this application.
(List years change has been made)
17. The water involved is to be used for the following purpose: exploratory drilling fluid for a well
to be drilled at the following location 1326' FSL, 3416' FWL Sec. 27, T41S, R26E
SLM, San Juan County, Utah Total acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

Paragraph #17 Continued:

✓ Sentinel Peak 27-33 N. 1326 ft. & E. 3416 ft. from SW Cor. Sec. 27, T41S, R26E, SLB&M.

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

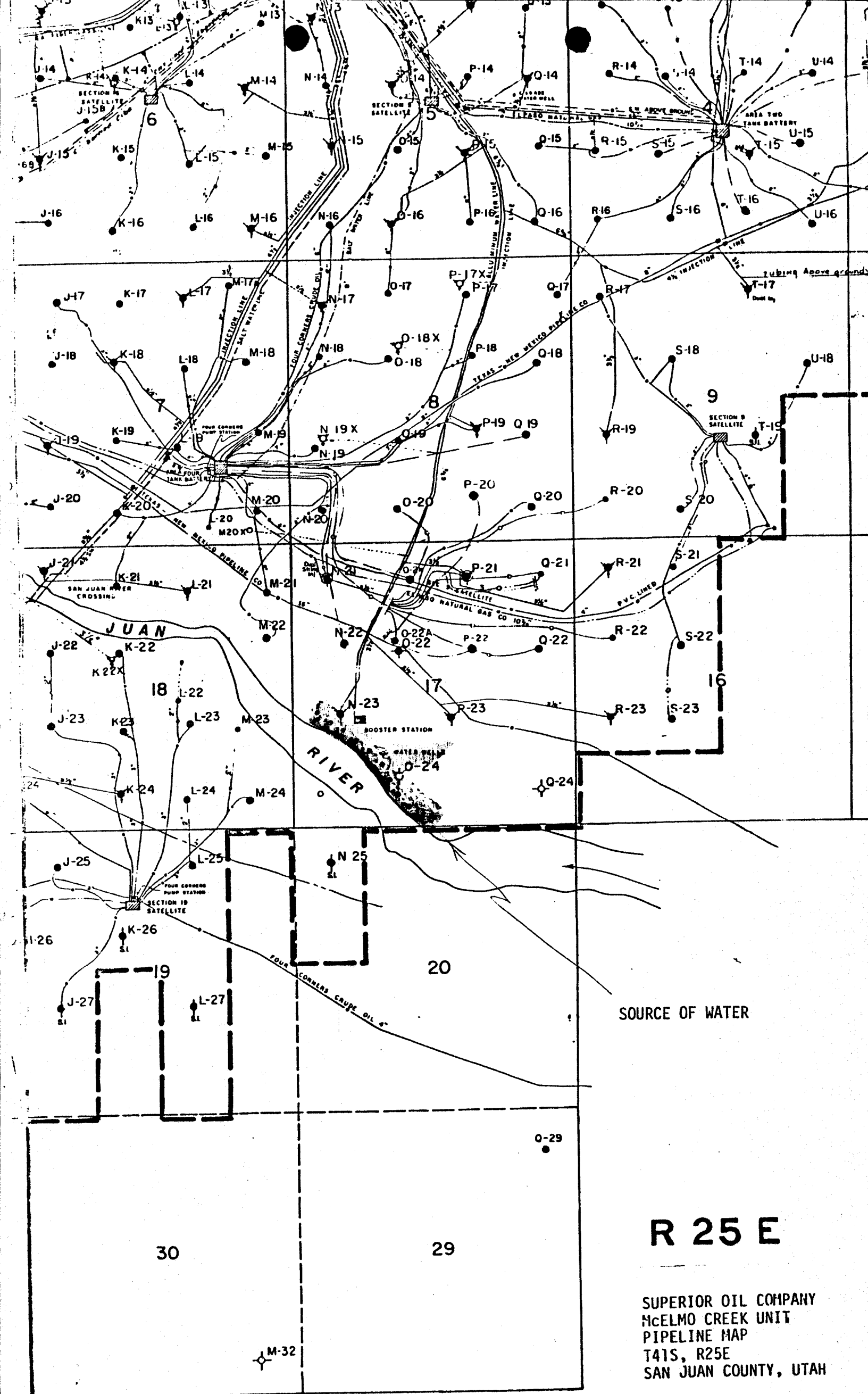
Wm. H. Edwards Signature of Applicant

6-13-84

Point of diversion and Method of diversion:

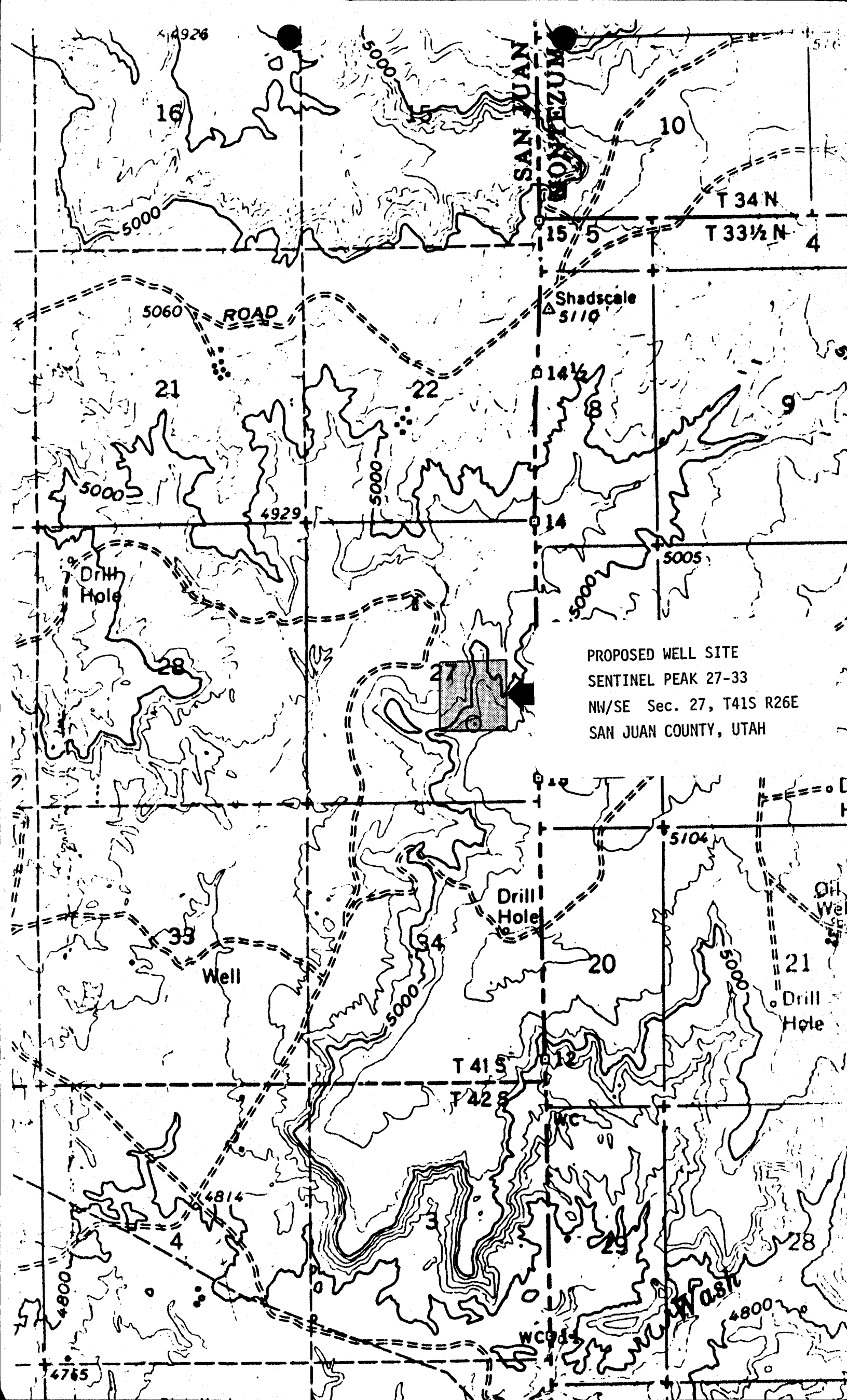
<u>Well</u>	<u>Point of Diversion</u>	<u>Diameter</u>	<u>Depth</u>
1 - N. 2142 ft. E. 437 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		8-inch	34 ft.
2 - N. 1978 ft. E. 682 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
3 - N. 1805 ft. E. 930 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
4 - N. 1605 ft. E. 1150 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	26 ft.
5 - N. 1400 ft. E. 1382 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	26 ft.
6 - N. 1178 ft. E. 1582 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
7 - N. 935 ft. E. 1711 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
8 - N. 741 ft. E. 1950 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
9 - N. 650 ft. E. 2028 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
10 - N. 582 ft. E. 2500 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
11 - N. 541 ft. E. 2490 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
12 - N. 752 ft. E. 2290 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
13 - S. 2050 ft. W. 145 ft. from NE Cor. Sec. 18, T41S, R25E, SLBM		12-inch	24 ft.
14 - S. 2028 ft. W. 418 ft. from NE Cor. Sec. 18, T41S, R25E, SLBM		12-inch	23.5 ft.
15 - S. 2217 ft. E. 105 ft. from NW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
16 - S. 2482 ft. E. 222 ft. from NW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
17 - N. 2500 ft. E. 302 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	29 ft.
18 - N. 765 ft. E. 2380 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28.5 ft.
19 - Abandoned			
20 - N. 982 ft. E. 1902 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28.5 ft.
21 - Abandoned			
22 - Abandoned			
Pit- S. 1740 ft. W. 640 ft. from NE Cor. Sec. 18, T41S, R25E, SLBM			
23 - N. 650 ft. E. 2028 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.
24 - N. 755 ft. E. 1783 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	61 ft.
25 - N. 590 ft. E. 2337 ft. from SW Cor. Sec. 17, T41S, R25E, SLBM		12-inch	28 ft.

Wells # 1-12, 15-18, 20, 23-25 SEC 17, T41S, R25E
 # 13, 14 SEC 18, T41S, R25E



R 25 E

SUPERIOR OIL COMPANY
McELMO CREEK UNIT
PIPELINE MAP
T41S, R25E
SAN JUAN COUNTY, UTAH



PROPOSED WELL SITE
SENTINEL PEAK 27-33
NW/SE Sec. 27, T41S R26E
SAN JUAN COUNTY, UTAH



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

74 West Main Street • P.O. Box 718 • Price, UT 84501 • 801-637-1303

June 15, 1984

The Superior Oil Company
Attn: William H. Edwards
P.O. Drawer G
Cortez, Colorado 81321

Re: Temporary Change Appl. No. 84-09-14

Dear Mr. Edwards:

The above numbered Temporary Change Application has been approved.
A copy is herewith returned to you for your records and future
reference.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Mark P. Page", is written above the typed name.

Mark P. Page
Area Engineer
for Dee C. Hansen, P.E.
State Engineer

Enclosure

DCH/MPP/mjk

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. N00-C-14-20-5118	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO	
2. NAME OF OPERATOR SUPERIOR OIL COMPANY			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. DRAWER "G", CORTEZ, COLORADO 81321			8. FARM OR LEASE NAME SENTINEL PEAK	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1326' FSL, 3416' FWL SEC. 27 NWSE At proposed prod. zone Same			9. WELL NO. #27-33	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles East of Aneth, Utah			10. FIELD AND POOL, OR WILDCAT SENTINEL PEAK WILDCAT	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1326'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 27, T41S, R26E SLM	
16. NO. OF ACRES IN LEASE 546.4			12. COUNTY OR PARISH SAN JUAN	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE UTAH	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1700'			20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 6000'			22. APPROX. DATE WORK WILL START* 7-15-84	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5076.5' Ungraded Ground Level				

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5# K-55	100'	150 sx cmt to surface
12-1/4"	9-5/8"	36# K-55	1750'	700 sx cmt to surface
8-3/4"	7"	23# K-55	6000'	500 sx cmt or sufficient to cover zones of interest

Superior Oil Company proposes to drill the subject well to a total depth of 6000' to test the Ismay and Desert Creek Formations. If productive we will run casing and complete. If dry we will plug and abandon as per BLM, BIA and State of Utah requirements.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/27/84
BY: John R. Baga

RECEIVED

JUN 22 1984

DIVISION OF OIL
GAS & MINING

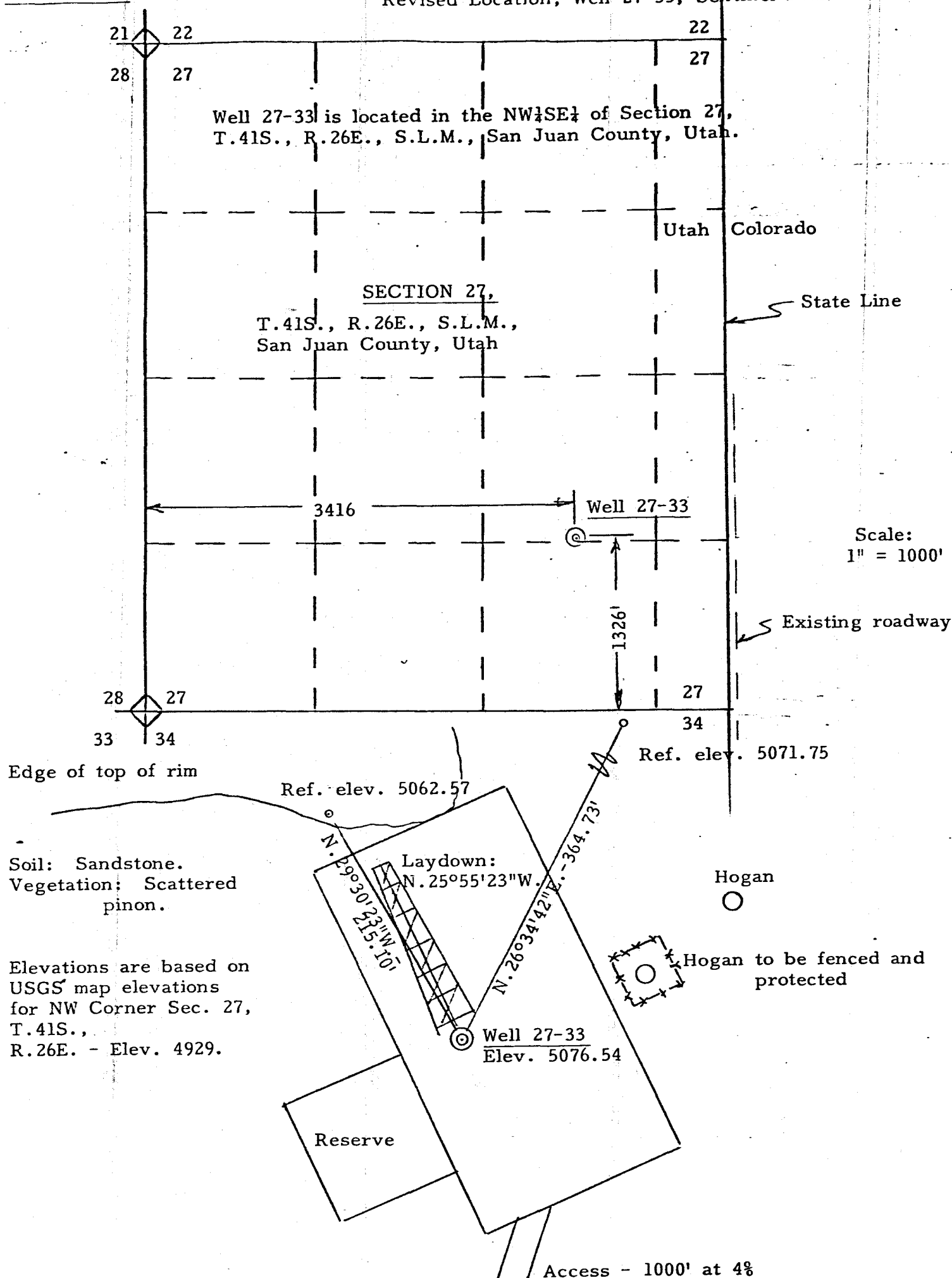
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James S. Andres TITLE Engineer DATE 6-14-84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



KNOW ALL MEN BY THESE PRESENTS:

THAT I, FREDRIC P. THOMAS

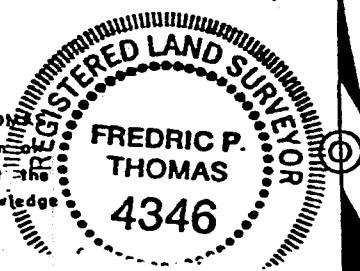
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas
FREDRIC P. THOMAS

Reg. L.S. and P.E.

Colo. Reg. No. 6728

Bearing by
Solar
observation



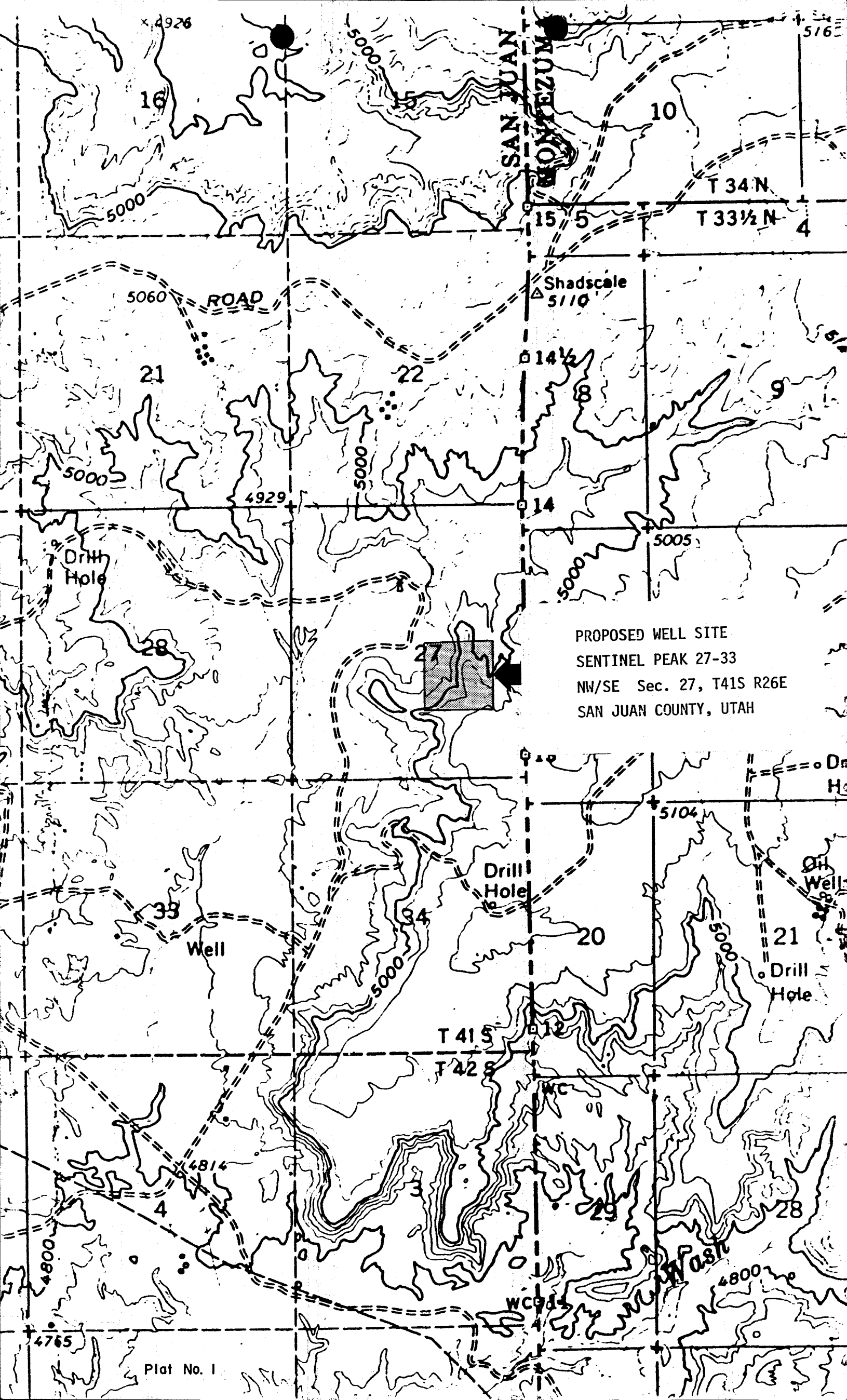
Plat No. 6

Utah Reg. No. 4346

Scale: 1" = 100'

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496



PROPOSED WELL SITE
SENTINEL PEAK 27-33
NW/SE Sec. 27, T41S R26E
SAN JUAN COUNTY, UTAH

OPERATOR

Superior Oil Co.

DATE

6/26/84

WELL NAME

Sentinel Peak 27-33

SEC

NWSE 27

T

41S

R

26E

COUNTY

San Juan

43-037-31029

API NUMBER

Indian

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐
☐

NID

☐

PI

☐
☐

MAP

☐
☐

PROCESSING COMMENTS:

No other wells within 1000'

Water #84-09-14

Exception location requested.

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☐ c-3-b

☒ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

June 27, 1984

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado 81321

Re: Well No. Sentinel Peak #27-33
B&S Sec. 27, T. 41S, R. 26E
1320' FSL, 3410' FWL
San Juan County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form GGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John E. Baza, Petroleum Engineer, (Office) (301) 533-5771, (Home) 298-7595 or R. J. Firth, Associate Director, (Home) 571-6063.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31029.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

RJF/as
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
Enclosures

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31029

NAME OF COMPANY: Superior OilWELL NAME: Sentinel Peak 27-33SECTION NW SE 27 TOWNSHIP 41S RANGE 26E COUNTY San JuanDRILLING CONTRACTOR BaylessRIG # 1SPUDDED: DATE 11-8-84TIME 8:30 PMHOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Bo AndresTELEPHONE # 303-565-3733DATE 11-9-84 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-5118
2. NAME OF OPERATOR Superior Oil Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P.O. Drawer "G", Cortez, CO 81321	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1326' FSL; 3416' FWL, Section 27	8. FARM OR LEASE NAME Sentinel Peak
	9. WELL NO. 27-33
	10. FIELD AND POOL, OR WILDCAT Sentinel Peak
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27, T41S, R26E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, BT, GR, etc.) KB: 5093'; GL: 5079'
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

RECEIVED
DEC 07 1984

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Drilling</u>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

11-8-84: Spud 17½" hole.

11-9-84: Ran 13-3/8", 54.5#, K-55 STC casing to 114'. Cemented w/150 sx (177 cu.ft.) Class "B" + 2% CaCl2. Circulated cement to surface.

11-11-84: Drilled 12½" hole to 1740'. Ran 9-5/8", 36#, K-55, STC casing to 1740'. Cemented w/610 sx (939 cu.ft.) BJ Lite + 10#/sk Gilsonite + 0.4% A-2 L0-Dense and 150 sx (175 cu.ft.) Class "B" + 2% CaCl2. Circulated cement to surface.

11-25-84: Reached TD of 6122', 8-3/4" hole.

11-26-84: Ran open hole logs.

11-27-84: Ran 7", 23#, K-55, plain casing to 6122'. Cemented w/340 sx (388 cu.ft.) Class "B" + 1.7% D29 + 0.3% R5. Estimated TOC at 4700'.

18. I hereby certify that the foregoing is true and correct

SIGNED David B. Jensen
DAVID B. JENSEN
(This space for Federal or State office use)

TITLE ENGINEER

DATE 11-30-84

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1326' FSL, 3416' FWL, SEC. 27 NWSE

14. PERMIT NO.

43-037-31029

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR: 5076'

5. LEASE DESIGNATION AND SERIAL NO.

N00-C-14-20-5118

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SENTINEL PEAK

9. WELL NO.

#27-33

10. FIELD AND POOL, OR WILDCAT

SENTINEL PEAK

11. SEC., T., R., M., OR BLK. AND
SUBVY OR AREA

SEC. 27, T41S, R26E, SLM

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
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☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) First saleable oil

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 12-4-84 Superior Oil Co. first produced saleable oil from the subject well.

RECEIVED
DEC 10 1984

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

James S. Andres
James S. Andres

TITLE

Petroleum Engineer

DATE

12-5-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER "G", CORTEZ, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1326' FSL, 3416' FWL, SECTION 27

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB: 5093'; GL: 5079'

5. LEASE DESIGNATION AND SERIAL NO.

NOO-C-14-20-5118

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SENTINEL PEAK

9. WELL NO.

27-33

10. FIELD AND POOL, OR WILDCAT

SENTINEL PEAK

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 27, T41S, R26E

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT* ☐

(Other) DST's during drilling ☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-23-84: DST #1 - 5819' - 5887'. Opened tool at 11:16. Flowing pressure 81 to 108 psig.
FSIP = 1292 psig. Recovered 1 gal. mud in pipe and 2500 cc mud in sample chamber.

11-24-84: DST #2 - 5888' - 5914'. Opened tool at 13:09. Flowing Pressure = 1385 to
1586 psig. FSIP = 2018 psig. Recovered 65 Bbls. oil w/gas in pipe and
3.33 CF gas, 1500 cc oil in sample chamber.

18. I hereby certify that the foregoing is true and correct

SIGNED

DAVID B. JENSEN

TITLE

ENGINEER

DATE

12-6-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NOO-C-14-20-5118
2. NAME OF OPERATOR SUPERIOR OIL COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P. O. DRAWER "G", CORTEZ, CO 81321		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1326' FSL; 3416' FWL, SECTION 27		8. FARM OR LEASE NAME SENTINEL PEAK
14. PERMIT NO.		9. WELL NO. 27-33
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB: 5093'; GL: 5079'		10. FIELD AND POOL, OR WILDCAT SENTINEL PEAK
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 27, T41S, R26E
		12. COUNTY OR PARISH SAN JUAN
		13. STATE UTAH

RECEIVED
DEC 10 1984

DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12-3-84: NU & Test BOP's. PU & RIH w/bit, scraper, & tubing. Cleaned out to 6036'. Tested csg to 1500 psig for 30 mins. Circulated hole clean. POOH. RU Jet West. Ran GR-CBL-VDL-CCL from PBTD to 4600' w/1000 psig. TOC at 4695'.

12-4-84: RIH w/pkr & tbq. Hang tail at 5908'. RU Dowell. Spot 250 gals. 28% MSR-100 acid across perms. PU & set pkr at 5734'. Made up wellhead. RU Jet West. Perf Lower Ismay (5890' - 5893', 5898' - 5906'/4 JSPF - 46 shots). RD Jet West. Pumped 8 Bbls. wtr. Max P = 1400 psig, ISIP = 400 psig, avg. rate = 1/2 BPM. Made 3 swab runs to kick well off. Flowed to test tank. Connected ~~to test tank~~ and flowed to battery.

12-5-84: RDMO.

18. I hereby certify that the foregoing is true and correct

SIGNED

DAVID B. JENSEN

TITLE

ENGINEER

DATE

12-6-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-017
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. REVR ☐

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER "G", CORTEZ, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1326' FSL; 3416' FWL, SECTION 27, T41S, R26E

At top prod. interval reported below

SAME

At total depth

SAME

14. PERMIT NO.

DATE ISSUED

43-037-31029

6-27-84

15. DATE SPUDDED

11-8-84

16. DATE T.D. REACHED

11-25-84

17. DATE COMPL. (Ready to prod.)

12-4-84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

KB: 5093'; GL: 5079'

19. ELEV. CASINGHEAD

5080'

20. TOTAL DEPTH, MD & TVD

6122'

21. PLUG, BACK T.D., MD & TVD

6036'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-6122'

NONE

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

LOWER ISMAY, 5890' - 5906'

25. WAS DIRECTIONAL SURVEY MADE

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIG, CDI-DSN, CALIPER, BHC SONIC, CBL-VDL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5	114'	17 1/2"	150 sx(177 cu. ft.) to surf.	
9-5/8"	36	1740'	12 1/2"	760 sx(1114 cu. ft.) to surf.	
7"	23	6122'	8-3/4"	340 xs(388 cu. ft.) TOC:4695'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5734'	5734'

31. PERFORATION RECORD (Interval, size and number)

5890' - 5893', 4 JSPF

5898' - 5906', 4 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5890' - 5906'	250 GALS 28% HCL + Additives

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-4-84		FLOWING				PRODUCING	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-4-84	13 3/4	20/64"	→	396	396	56	1000
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
560 psi	0	→	691	691	98	41.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

TEST WITNESSED BY

M. MILLER

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

DAVID B. JENSEN

TITLE

ENGINEER

DATE 12-6-84

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
ISMAY			LIMESTONE, DOLOMITE & ANHYDRITE
DESERT CREEK			LIMESTONE, DOLOMITE & ANHYDRITE
DST #2	5888'	5914'	Cushion: 5 gals. mud, open at 13:09, 11-24-84 Pflow = 1385 to 1586 psig FSIP = 2018 psig Rec. 65 Bbls oil, w/gas Chamber: 3.33 CF gas, 1550 cc oil 0 cc water
DST #1	5819'	5887'	No Cushion. Open at 11:16, 11-23-84 Pflow = 81 to 108 psig FSIP = 1292 psig Rec. 1 gal mud Chamber: 2500 cc mud only

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
DAKOTA	SURFACE	
CHINLE	1734'	
DeCHELLY	3080'	
ORGAN ROCK	3164'	
HERMOSA	4901'	
UPPER ISMAY	5796'	
LOWER ISMAY	5886'	
GOTHIC	5952'	
DESERT CREEK	5994'	
CHIMNEY ROCK	6089'	



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 8, 1985

Superior Oil Company
P O Drawer "G"
Cortez, Colorado 81321

Gentlemen:

Re: Well No. Sentinel Peak 27-33 - Sec. 27, T. 41S., R. 26E
San Juan County, - API #43-037-31029

According to our records a "Well Completion Report" filed with this office December 6, 1984 on the above referred to well indicates a CBL-VDL electric log was run. This office has not yet received this log.

Please take care of this matter as soon as possible, but not later than March 7, 1985.

Your cooperation in this matter is appreciated.

Sincerely,

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0087S/34

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well ☒ Gas Well ☐ Other ☐

2. Name Of Operator

Mobil Oil Corporation

3. Address Of Operator

P. O. Box 5444, Denver, CO 80217-5444

4. Location Of Well

1326 FSL, 3416 FWL Sec. 27, T41S, R26E SLM

14. Permit No.

43-037-31029

15. Elevation

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

Notice Of Intention To :

Test Water Shut-off ☐ Pull Or Alter Casing ☐

Fracture Treat ☐ Multiple Complete ☐

Shoot Or Acidize ☐ Abandon ☐

Repair Well ☐ Change Plans ☐

(Other) ☐

Subsequent Report Of :

Water Shut-off ☐ Repairing Well ☐

Fracture Treatment ☐ Altering Casing ☐

Shooting Or Acidizing ☐ Abandonment ☐

(Other) SALE OF PROPERTY ☒

17. Describe Proposed Or Completed Operations

Effective May 1, 1988 this lease, including the reference well was sold to:

Pioneer Oil & Gas
6925 Union Park Center
Suite 145
Midvale, Utah 84047

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2- MICROFILM	✓
3- FILE	

18. I hereby certify that the foregoing is true and correct

Signed

E. P. Maynard

Title Mgr., Regulatory Compliance

Date June 28, 1988

Approved By

Title

Date

Conditions Of Approval If Any:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

* Changes made 9-26-90

Routing:

1-	LCR	<input checked="" type="checkbox"/>
2-	DTSDTS	<input checked="" type="checkbox"/>
3-	VLC	<input checked="" type="checkbox"/>
4-	RJF	<input checked="" type="checkbox"/>
5-	RWM	<input checked="" type="checkbox"/>
7-	LCP	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	GIANT EXPLOR. & PROD. CO.	FROM (former operator)	PIONEER OIL AND GAS
(address)	P. O. BOX 2810	(address)	6925 UNION PARK CTR. #145
	FARMINGTON, NM 87499		MIDVALE, UT 84047
	phone (505) 326-3325		phone (801) 566-3000
	account no. N 0075		account no. N 3025

Well(s) (attach additional page if needed):

Name: <u>SENTINEL PEAK 22-34 (JSMY)</u>	API: 4303730748	Entity: 00546	Sec 22 Twp 41S Rng 26E	Lease Type: INDIAN
Name: <u>MCLEMO CR Q-29 (DSCR)</u>	API: 4303715524	Entity: 05995	Sec 29 Twp 41S Rng 25E	Lease Type: INDIAN
Name: <u>NAVAJO TR 125 #1 (DSCR)</u>	API: 4303715541	Entity: 05990	Sec 21 Twp 41S Rng 25E	Lease Type: INDIAN
Name: <u>NAVAJO TRE 125 #2 (DSCR)</u>	API: 4303715542	Entity: 05990	Sec 28 Twp 41S Rng 25E	Lease Type: INDIAN
Name: <u>NAVAJO TR 125 #4 (DSCR)</u>	API: 4303715543	Entity: 05990	Sec 28 Twp 41S Rng 25E	Lease Type: INDIAN
Name: <u>SENTINEL PEAK #27-14 (JSMY)</u>	API: 4303720292	Entity: 99991	Sec 27 Twp 41S Rng 26E	Lease Type: INDIAN
Name: <u>SENTINEL PEAK 27-21 (JSMY)</u>	API: 4303730747	Entity: 06020	Sec 27 Twp 41S Rng 26E	Lease Type: INDIAN

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- 1 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 1 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- 1 6. Cardex file has been updated for each well listed above.
- 1 7. Well file labels have been updated for each well listed above.
- 1 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 1 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) NO (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

2. A copy of this form has been placed in the new and former operators' bond files.

3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: October 9 1990.

FILED

1. Copies of all attachments to this form have been filed in each well file.

2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

8-20-90 Earl Beecher / Bm Farmington Nm - No documentation as of yet.
 8-29-90 Earl Beecher - Informed me that these wells are under the jurisdiction of EPA.
 (2 wells - 43-037-30511 (W1W) and 43-037-31144 (W1W) are still listed under MEPNA)
 900926 Per DTS & MEPNA telephone verification (see phone doc.) ok to change (2) wells listed above!

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u></u>	(address)	<u></u>
	<u></u>		<u></u>
	<u></u>		<u></u>
	<u>phone ()</u>		<u>phone ()</u>
	<u>account no. N 0075</u>		<u>account no. N3025</u>

Well(s) (attach additional page if needed):

CONTINUED-----

Name: <u>SENTINEL PEAK 27-32 (ISm)</u>	API: <u>4303730537</u>	Entity: <u>06025</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>SENTINEL PEAK 27-33 (ISm)</u>	API: <u>4303731029</u>	Entity: <u>06025</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 6-23 (DSCP)</u>	API: <u>4303715039</u>	Entity: <u>06008</u>	Sec <u>6</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 6-34 (DSCP)</u>	API: <u>4303715034</u>	Entity: <u>06008</u>	Sec <u>6</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 7-21 (DSCP)</u>	API: <u>4303715036</u>	Entity: <u>06008</u>	Sec <u>7</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 7-41 (DSCP)</u>	API: <u>4303715032</u>	Entity: <u>06008</u>	Sec <u>7</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 8-12 (DSCP)</u>	API: <u>4303715035</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- ☐ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ☐ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ☐ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: .
- ☐ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- ☐ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ☐ 6. Cardex file has been updated for each well listed above.
- ☐ 7. Well file labels have been updated for each well listed above.
- ☐ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ☐ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u></u>	(address)	<u></u>
	<u></u>		<u></u>
	<u></u>		<u></u>
phone ()	<u></u>	phone ()	<u></u>
account no. <u>N 0075</u>		account no. <u>N 3025</u>	

Well(s) (attach additional page if needed):

CONTINUED-----

Name: <u>GOTHIC MESA 8-33 (DSCR)</u>	API: <u>4303715037</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 8-42 (DSCR)</u>	API: <u>4303715033</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 9-13 (DSCR)</u>	API: <u>4303715041</u>	Entity: <u>06008</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO 67-4 (9-24) (DSCR)</u>	API: <u>4303716452</u>	Entity: <u>99990</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-11 (DSCR)</u>	API: <u>4303715042</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA UNIT 16-13A</u>	API: <u>4303731454 (Isu)</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-22 (DSCR)</u>	API: <u>4303715043</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- ___ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ___ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ___ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ___ If yes, show company file number: _____.
- ___ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- ___ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ___ 6. Cardex file has been updated for each well listed above.
- ___ 7. Well file labels have been updated for each well listed above.
- ___ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ___ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	GIANT EXPLOR. & PROD. CO.	FROM (former operator)	PIONEER OIL AND GAS
(address)		(address)	
phone ()		phone ()	
account no. <u>N 0075</u>		account no. <u>N3025</u>	

Well(s) (attach additional page if needed):

CONTINUED-----

Name: <u>GOTHIC MESA 16-33 (DSCF)</u>	API: <u>4303715044</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-44 (DSCF)</u>	API: <u>4303716453</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 17-31 (DSCF)</u>	API: <u>4303715040</u>	Entity: <u>06008</u>	Sec <u>17</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: <u>**SENTINEL PK #27-23</u>	API: <u>4303731144</u>	Entity: <u>9999B</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>**MCELMO CR 28-23</u>	API: <u>4303730511</u>	Entity: <u>05980</u>	Sec <u>28</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
END-----				

OPERATOR CHANGE DOCUMENTATION

- ___ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ___ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ___ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- ___ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- ___ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ___ 6. Cardex file has been updated for each well listed above.
- ___ 7. Well file labels have been updated for each well listed above.
- ___ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ___ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. N00-C-14-20-5118	
2. NAME OF OPERATOR Pioneer Oil and Gas		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84047		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Below		8. FARM OR LEASE NAME Sentinel Peak	
14. PERMIT NO.		9. WELL NO.	
15. ELEVATIONS (Show whether DF, ST, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Sentinel Peak	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27: T41S-R26E	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

1d. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

Change of Operator ☒ (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well Name	Legal Description	Well Type	Status	API Number
No. 27-14	SWSW 27-41S-26E	INJ	P	43-037-20292-
No. 27-21	NWSE 27-41S-26E	P	OP	43-037-30747-
No. 27-23	NESW 27-41S-26E	INJ	SI	43-037-31144 MEAR-N7370
No. 27-32	SWNE 27-41S-26E	P	OP	43-037-30537-
No. 27-33	NWSE 27-41S-26E	P	OP	43-037-31029-

Pioneer Oil and Gas has assigned all its ownership in the subject lease effective August 1, 1990. Pioneer Oil and Gas shall no longer be the operator of the subject properties.

Giant Exploration and Production Company shall therefore be the operator effective August 1, 1990.

Former Operator:
Pioneer Oil and Gas

New Operator:
Giant Exploration & Production Company
PO Box 2810
Farmington, NM 87499

Signed: Gregg B. Colton
Gregg B. Colton, Vice President
Date: July 31, 1990

Signed: Aldrich L. Kuchera
Title: Aldrich L. Kuchera, President and CEO
Date: August 13, 1990

18. I hereby certify that the foregoing is true and correct

SIGNED <u>R. Hedgie Wilson</u>	TITLE <u>Land Manager</u>	DATE <u>July 31, 1990</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JAN 23 1995

SUNDRY NOTICES AND REPORTS ON WELLS

DIVISION OF OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

NOO-C-14-20-5118

6. If Indian, Allottee or Tribe Name:

Nayajo

7. Unit Agreement Name:

1. Type of Well: OIL ☒ GAS ☐ OTHER:

8. Well Name and Number:

Sentinel Peak Well #27-33

2. Name of Operator:

Giant Exploration & Production Company

9. API Well Number:

43-037-31029

3. Address and Telephone Number:

P.O. Box 2810, Farmington, New Mexico 87499

10. Field and Pool, or Wildcat:

Sentinel Peak

4. Location of Well

Footages: 3416' FWL, 1326' FSL

County: San Juan

QQ, Sec., T., R., M.: Sec. 27, T41S, R26E

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion 01/09/95

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See Attachment "A".

13.

Name & Signature:

Gregory E. McIntosh

Title: Area Engineer

Date: JAN 18 1995

(This space for State use only)

Giant Exploration & Production Company
Sentinel Peak Well No. 27-33

Attachment "A"

- 12/30/94 Set 80 sack (94.4 cuft) plug to cover Desert Creek and Ismay formations. Tagged top of cement at 5683'.
- 1/3/95 Set 28 sack (33.0 cuft) plug inside casing to cover Hermosa top. Plug inside casing from 4953' to 4803'. Perforated squeeze holes at 1790'.
- 1/4/95 Set cement retainer at 1715'. Pumped 58 sack (68.4 cuft) plug, 43 sacks (50.7 cuft) below retainer and 15 sacks (17.7 cuft) on top of retainer to cover casing shoe and Chinle top. Top of cement 1635'. Perforated squeeze holes at 164'. Pumped 67 sacks (79.1 cuft) in casing and through Bradenhead. Good cement returns.
- 1/9/95 Cut off wellhead. Filled annulus with 4 sacks (4.7 cuft). Installed dry hole marker with 16 sacks of cement.

Note: All cement was Class B cement mixed at 15.6 ppg, 1.18 cuft/sk yield. 8.33 ppg plugging mud was used between cement plugs.

Casing remaining in hole:

Surface casing: 13-3/8", 54.5#, K-55 to 114'
Intermediate casing: 9-5/8", 36#, K-55 to 1740'
Production casing: 7", 23#, K-55 to 6122'

BLM representative: Marlin Deaton

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

MAR - 9 1995

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Giant Exploration & Production Company

3. Address and Telephone Number:

P.O. Box 2810, Farmington, New Mexico 87499 (505)326-3325

4. Location of Well

Footages: 3416' FWL, 1326' FSL

OO, Sec., T., R., M.: Sec. 27, T41S, R26E

5. Lease Designation and Serial Number:

NOO-C-14-20-5118

6. If Indian, Allottee or Tribe Name:

Navajo

7. Unit Agreement Name:

8. Well Name and Number:

Sentinel Peak #27-33

9. API Well Number:

43-037-31029

10. Field and Pool, or Wildcat:

Sentinel Peak

County: San Juan

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual Status Report:

The Sentinel Peak #27-33 was plugged and abandoned on 01/09/95.

13.

Name & Signature:

Gregory E. McIntosh

Title: Area Engineer

Date:

MAR 07 1995

(This space for State use only)